

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

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National Weather Service Thanks Amateur Radio SkyWarn Spotters

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL WEATHER SERVICE OFFICE
4309 International Lane
Madison, Wisconsin 53704

September 28, 1994

MEMORANDUM FOR: Tom Weeden, South-Central Wisconsin
SKYWARN Network Manager

FROM: Eugene E. Przekurat
Meteorologist in Charge

SUBJECT: Your Service During Severe Weather Events Across
South-Central Wisconsin

SKYWARN is a public service in which amateur radio operators provide observations of severe weather directly to the Madison office via radio equipment, cutting costs to the government while enhancing the WSO's ability to issue effective warnings and forecasts.

The years 1989-1994 saw an above average number of severe thunderstorms/tornadoes/flash floods across south-central Wisconsin.

This memorandum is written, with my deepest gratitude and profound respect, to all SKYWARN members who represented the finest in public service during periods of severe weather across south-central Wisconsin during the years 1989-1994. Your impressive performance in being the trained eyes in spotting signatures associated with possible severe weather most assuredly limited the loss of life across south-central Wisconsin during this time frame.

I admire and commend SKYWARN members for the extraordinary effort you have put forth over the period 1989-1994 in preparing for and dealing with all types of severe weather events.

It is rare that anyone has the privilege of being associated with people of the quality and dedication represented in the SKYWARN network. On behalf of my Staff and myself I want to say "thank you for a job well done".



FCC Errs in Some Recent Tech Plus License Renewals

If you hold a Technician class license issued before March 16, 1991, then you automatically are a Technician licensee with HF privileges (a "Tech Plus").

In some recent instances the FCC has processed the renewal or modification of such a Tech Plus license but has mistakenly issued a "Technician" (no-code) license. (Since June 8, 1994, new and renewed Tech Plus licenses have been clearly labeled as such).

If this has happened to you, do the following:

Write to the FCC, explaining the situation, including your current license status, with effective date. Include copies of both your "before" and "after" licenses.

If you no longer have either a copy or the original of your previous license, say so in your letter.

Send this to FCC, 1270 Fairfield Road, Gettysburg PA 17325-7245 (or fax 717-337-1541). *Keep copies of all your correspondence with the FCC.*

Expect the matter to take four to six weeks to be resolved. In the meantime, you may continue to exercise "Tech Plus" privileges.

-ARRL Bulletin ARLB078, 10/3/94

**From the volunteer
staff of Badger
State Smoke
Signals**

**Happy
Thanksgiving!**

In This Issue: Wisconsin Repeater Directory! See Pages 7 and 8

ELMER

By Rich Regent, K9GDF



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WHAT'S HAPPENING

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests and Other Social Events

SATURDAY, NOVEMBER 5, 1994. The Milwaukee Repeater Club is proud to sponsor the 10th annual "6.91" Friendly Fest" from 8:00 a.m. to 1:00 p.m. (vendors admitted at 6:30 a.m.) **NEW LOCATION:** Waukesha County Expo Center Arena. VE testing. Reserved tables: \$4.00 per 4' table. Admission: \$3.00 in advance or \$4.00 at the door. Contact Milwaukee Repeater Club, Inc., P.O. Box 2123, Milwaukee, WI 53201.

NOVEMBER 19-20. Fort Wayne Hamfest, Allen County War Memorial Coliseum Exposition Center. Contact: ACARTS, PO Box 10342, Fort Wayne, IN 46851.

SUNDAY, JANUARY 8, 1995. Midwinter Swapfest sponsored by the West Allis RAC. Contact WARAC, PO Box 1072, Milwaukee, WI 53201.

TUESDAY, FEBRUARY 28, 1995. Northern Wisconsin Radio Club Auction. Contact: Steve Hart, KA9OMC, Route 1, Box 54, Knapp, WI 54749.

SUNDAY, APRIL 2, 1995. Madison Swapfest. For information on booths, tables and tickets contact: MARA, PO Box 8890, Madison, WI 53708-8890.

SATURDAY, MAY 13, 1995. Lakeshore Hamfest. Contact: ManCoRad. PO Box 204, Manitowoc, WI 54221-0204.

SATURDAY, JULY 8, 1995. South Milwaukee Swapfest, Oak Creek, WI. Contact SMARC, po box 102, South Milwaukee, WI 53172. (414) 762u-3235.

See also the back page and flyer ads for additional information on many of these events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest,

Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations we cannot always carry the full listing of Wisconsin and area club meetings. Please save the following listings for your future reference. We hope to have the full listing at least three times a year, and will carry any changes or additions between full listings.

ARROWHEAD RADIO AMATEUR CLUB, INC.
(Superior, WI)

The monthly meeting of the ARAC is held on the second Tuesday of the month at the WITC Conference Center, 600 N. 21st Street, Superior, Wisconsin, at 7:30 p.m. Board meetings are held prior to the regular meeting.

BADGER AMATEUR RADIO SOCIETY
(W9YT - U. W. - MADISON)

Monthly while school in session - 2nd Tue. - 5:30 p.m. - B-265G, Electrical Engineering Bldg. For more information call (608) 262-1142.

month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.** This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901. *Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than **FIVE DAYS** after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that

CENTRAL WISCONSIN RADIO AMATEURS, LTD.
(STEVENS POINT)

Second Wed..

EAU CLAIRE AMATEUR RADIO CLUB

2nd Tue. - 7:30 p.m. - Parks and Recreation Bldg., Oxford and 1st Streets, Eau Claire. Hams, guests welcome. Travelers welcome on wide area club repeater K9UXP, 146.31/91.

FOUR LAKES AMATEUR RADIO CLUB (MADISON WI)

First and third Tues - 7:30 p.m. - Red Cross Bldg., 4860 Sheboygan Ave., room "C" downstairs. It is the next building west of the Hill Farms State Office building. The meetings start promptly at 7:30 pm.

FOX CITIES AMATEUR RADIO CLUB

Third Mon. - 7:00 p.m. - Roosevelt Jr. High School, 318 E. Brewster St., Appleton. Info: (414) 766-3886.

GREATER MILWAUKEE DX ASSOCIATION

Fourth Mon. of the month at 7:30 p.m. Contact any GMDX member or Dan Reese, N9XX, (414) 529-9806 (before 9 p.m. please) for meeting location.

GREEN BAY MIKE AND KEY CLUB

Second Thur. 7:30 pm - Media Services area of the J. M. Science Building at St. Norbert College in DePere.

GREEN FOX AMATEUR RADIO CLUB

Third Mon. - 7:30 p.m. - Green Lake Town Hall, int. of county hwy. K and N.

KETTLE MORAINES RADIO AMATEURS

Second Fri., 7:30 p.m. at the Waukesha County Technical College, Campus Science Building, Room 102. Talk-in on the N9KS 147.39 repeater.

LAKESHORE RPTR. ASSN.

Last Tue., Jan., Apr., Jul., & Oct., 7:30 p.m. Red Cross Bldg., 4521 Taylor Ave., Racine, WI.

MADISON AREA REPEATER ASSN

Here are the meeting dates for MARA for 1994: January 10, 1994, March 14, 1994, September 12, 1994, November 14, 1994

MANITOWOC COUNTY RADIO AMATEURS

Directors Meeting: First Wed. Held at 7:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin St., Manitowoc.

General meeting: Second Wed. Held at 7:30 p.m. at Associated Manitowoc Bank.

MENOMONEE FALLS AMATEUR RADIO CLUB

Last Tue. - Doors open 7:30 p.m., meeting begins 8:00 p.m. - Security Savings and Loan, Menomonee Falls. Amateurs and guests welcome.

MILWAUKEE RADIO AMATEURS CLUB

Last Thursday evening, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. Meetings begin at 7:30 pm 12 months of the year.

NORTHERN WISCONSIN RADIO CLUB

4th Tue. - 7:30 p.m., Sept. through April. Peppermill Restaurant, Thunderbird Mall North, Menomonie, WI. Guests welcome.

NORTHWOODS ARC (RHINELANDER WI)

Third Tue.. Doors open at 7:00 p.m. Meeting at 7:30 p.m. South Park School, Rhineland, WI. Talk-in on 146.93/.34. All interested visitors to the Northwoods are welcomed.

OSKOSH AMATEUR RADIO CLUB
(see Winnebago ARC listing)

OZAUKEE RADIO CLUB
Second Wed. - 7:30 p.m. - Grafton Multitpur-
pcse Senior Center.

QCWA - WISCONSIN CHAPTER #55
Contact Erwin Froelich, W9RZW, Treasurer,
Rte 1 Box 177B, Pine River WI 54965. For infor-
mation about meeting dates or joining QCWA
Chapter #55. The Wisconsin Chapter holds Spring
and Fall dinner meetings.

QCWA - SOUTHEAST WISCONSIN CHAPTER #162
Meets third Mon. monthly, 7:30 p.m., Around
the Clock Restaurant, 3012 Rapids Drive, Racine.

RACINE MEGACYCLE CLUB
Second Mon., 7:30 p.m., Red Cross Bldg.,
4521 Taylor Ave., Racine, WI

RIVERLAND AMATEUR RADIO CLUB
First Tue. - 7:00 p.m. - Onalaska Community
Center, Onalaska WI.

ROCK RIVER RADIO CLUB
Monthly - first Tue. - 7:00 p.m. at Dodge
County Sheriff's Department, 141 N. Main, Ju-
neau, WI.

ARES Net: 146.04/146.64 Mon.s at 7:30 p.m.
Sat.s on 7277 KHz at 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB
Second Tue. - 7:00 p.m. - Sheboygan Red
Cross/Boy Scout Bldg., 2032 Erie Ave.

SOUTH MILWAUKEE AMATEUR RADIO CLUB
First Wed. - Legion Post 434, Shepard Ave.,
Oak Creek WI. Auctions in March and October.

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC)
MEDFORD

Usually the 1st Thur. of the month at 7:00
PM sharp. Usual location: emergency government
meeting room/Red Cross office, basement of
Sheriff's Annex to Taylor County Courthouse, 2nd
and Ogden Sts., Medford, WI. Talk-in on 147.15
(+600) repeater. Amateurs & guests are welcome.
ARES Net, Wed. nights at 8:30 PM on 147.15
(+600) repeater. For info contact: Mike Schoen-
fuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405,
phone (715) 223-3996.

TRI-COUNTY AMATEUR RADIO CLUB
Meetings held at members homes. Usually
monthly on Sunday afternoon. Contact: Glenn
Eisenbrandt, (414) 563-6502 or John Saterlee,
(414) 563-6381.

WASHINGTON COUNTY AMATEUR RADIO CLUB
Second Thursday, 7:30 p.m., Washington
County Court House. Net on Thursdays at 7:30
p.m. on 146.73.

WATERTOWN AMATEUR RADIO CLUB
First Thur. of the month at 7:00 p.m., The
Watertown Public Library, 100 S. Water St.,
Watertown, WI.

WAUPACA AMATEUR RADIO CLUB
First Sat. in March, June, September and
December, at 9:30 a.m. at the Waupaca Fire Sta-
tion in downtown Waupaca.

"CQ First Tue." - A social gathering and
dutch treat luncheon at the King's Table in
King, WI, on Highway QQ just south of highways
10 and 54 on the west side of Waupaca.

WEST ALLIS RADIO AMATEUR CLUB
Second Tue. - 8:00 p.m. - St. Peters Epis-
copal Church, 7929 Lincoln Ave. Entrance is at
rear of building on alley.

THE WINNEBAGO AMATEUR RADIO CLUB
(Formerly the Oshkosh Amatur Radio Club)
The Winnebago ARC welcomes all Amateurs and
interested persons to join us at the Omro City
Hall, on Webster Street. Meetings held the third
Sunday each month, weather permitting. Talk in
on 147.24 repeater.

For further information contact KB9IME, Dan
Lenz, at (414) 233-7145.

WISCONSIN ASSOCIATION OF REPEATERS
Meetings are held Quarterly, with time and
location to be announced. Repeater licensees,
trustees, and sponsors are urged to attend

W.A.R. meetings. All interested parties are
welcome, as well.

WISCONSIN VALLEY RADIO ASSOCIATION (WAUSAU)
First Tue. - 7:30 p.m. - Location varies;
info on 146.04/64, Wausau.

YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)
Days rotate: Scheduled meeting dates:
The following is the YTARC meeting schedule
for 1994.

Nov. 16 Packet radio and computers.
Dec. 15 CHRISTMAS PARTY

1995 Meeting Dates
Jan 17 Apr 18 Jul 18 Oct 17
Feb 15 May 17 Aug 16 Nov 15
Mar 16 Jun 15 Sep 14 Dec 15

All meetings will be at the Baraboo Civic
Center, room 14, unless otherwise noted. Start-
ing time for the monthly club meeting is 7:30
p.m.. The program start time after the meeting
is 8:00 p.m., with a one hour limit.

Let Badger State Smoke Signals know your
club's meeting dates, and we will let our read-
ers know of your meetings and activities. There
may be Amateurs in your area interested in
joining your club, or members of other clubs
interested in making an interclub visit.

The Test Point



**Amateur Radio Examination Locations
and Schedules in the Wisconsin Area**

The following are known locations where
Amateur Radio license examinations are scheduled
in the Badger State area.

November 5, 1994 Adams, WI
November 5, 1994 Menomone, WI
November 5, 1994 Racine, WI
November 6, 1994 Kaukauna, WI
(Hamfest)
November 12, 1994 Madison, WI
November 12, 1994 Oak Creek, WI (MRAC)
November 16, 1994 West Allis, WI (MRAC)
November 19, 1994 Milwaukee, WI (BE)
November 19, 1994 Dubuque, IA
November 26, 1994 Wauwatosa, WI (MRAC)
December 3, 1994 River Falls, WI
December 3, 1994 Racine, WI
December 10, 1994 Stevens Point, WI
December 10, 1994 Marshfield, WI
December 10, 1994 Madison, WI
December 17, 1994 Milwaukee, WI (BE)
December 21 1994 West Allis, WI (MRAC)

Monthly, 1st Sat. Racine, WI
(except January, July & August)
Monthly, 2nd Sat. Madison, WI
Monthly, 2nd Sat. Oak Creek, WI (SWAT/MRAC)
(except June, July & August)
Monthly, 3rd Wed. West Allis, WI (MRAC)
Monthly, 3rd Sat. Loves Park, IL
Monthly, Last Sat. Wauwatosa, WI (MRAC)
(except December)
Monthly, Last Sat. Tomahawk, WI
(January thru October only)
Quarterly Marshfield, WI
(Second Saturday every third month.)

Many Swapfests/Hamfests offer exam ses-
sions. If not shown above contact the sponsor-
ing club in the Swapfest column on page 2.

The FCC now requires applicants to show
their ORIGINAL AMATEUR LICENSE to the VEC. A
copy of your license must be attached to your
FCC form 610. You will also be required to have
a photo ID, or other acceptable identification.

GENERAL RULES
FOR MOST EXAMINATIONS:
Be sure to check with sponsors in the event

there are changes and/or errors in the dates or
information given.

Most examinations require filing an FCC
Form 610 and advance registration at least 30
days before the exam date. (Some VECs permit
walkins. Check with sponsor.)

To register, you must first secure a copy
of the current FCC Form 610 and fill it out com-
pletely (AND CORRECTLY). Get your form from an
FCC Field Office, the ARRL or Badger State Smoke
Signals. Send a 29¢ SASE if you request one
from the ARRL or BSSS. In most cases, forms can
also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for
\$5.75 payable to "ARRL/VEC".

The FCC now requires applicants to show
their ORIGINAL AMATEUR LICENSE or CSCE to the
VEC. You must also have two good copies of your
license or CSCE. A copy of your license or CSCE
must be attached to your FCC form 610 and most
VEC want a copy for their records. You will also
be required to have a photo ID, or other accept-
able identification.

Technician class licensees must show proof
of testing before March 21, 1987, in order to
upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)
OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwa-
tosa Savings and Loan Branch, 6560 S. 27th St.,
Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park
Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30
a.m. at 7500 W. State St., Wauwatosa S&L, lower
level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause,
(414) 774-6999 or call (414) 466-HAMS (Answering
Machine) or write MRAC, 1737 N. 116th St.,
Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and
two (2) good quality photocopies, plus two forms
of identification, such a driver's license, etc.
Also required is \$5.00 for the exam fee. WALK-
INS are welcome. To register in advance, use a
post card: print the grade of license you are
applying for, and your name, address, and tele-
phone number. Send the card to MRAC/VEC, c/o
Jack Krause, W9JK, or Les Peterson, W9YCV at the
addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are
administered beginning at 9:00 a.m. to Noon, at
WMVS-TV studios, MATC Downtown campus in the C
building. The address is 1036 N. 8th Street,
Milwaukee. Enter at the North West entrance of C
Building. Walkins are welcome. To register in
advance, send a post card with your name, test
or tests you wish to take, date you wish to
take., your call sign, address and telephone
number to Badger Examiners, Gary J. Sharbuno,
WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223.
Telephone (414) 355-0237.

Also available now will be FCC General
Radio Telephone Commercial exams. Fees are \$5.75
for the Amateur Radio exams and \$35.00 for the
commercial exams.

MADISON, WI

VE exams are held in Madison every second
Saturday morning (September through May) of the
month at 8 a.m. They are held at the operations
building of the Madison Metropolitan Sewerage
District at 1610 Moorland Rd. To get there take
the Beltline (Hwy 12 & 18) to South Towne Drive.
Go south 8/10 mile till South Towne Drive makes
a bend and becomes Moorland Rd. and enter at
gate.

You should bring a picture ID, your origi-
nal licence and a copy of your licence. For
exams beyond the novice tests, bring a check for
\$5.75, made out to the ARRL/VEC. If the special
610 form with the medical exemption is required,
contact me beforehand to obtain one. No appoint-
ments are necessary to take exams. For further
questions, please leave a message on the mailbox
or phone me at (608) 832-6631.

Mark Jenks, N29B

(continued on page 14)

Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

Seasons greetings.

Many clubs are active in December with a club Christmas Party, Christmas Message Center and Mall Display or Santa Claus net at the local children's hospital or school.

N9SFG is new Assistant Emergency Coordinator for Ozaukee County. WB9RQR, Ozaukee County EC, is also a Deputy Director of Ozaukee County Emergency Government and writes a terrific newsletter called *OZARES*.

NoWesCo RACES/ARES had a simulated forest fire field exercise led by the Wisconsin DNR in Burnett County; 8 amateurs participated with EC N9PHS coordinating; mobile and portable communications were of great service to over 20 agencies and the Grantsburg community.

New Wisconsin Nets Association Officers: chairman KE9VU, treas. W9KKM. The WNA traffic handling manual on disk is available free from W9YCV, KA9KLZ or K9LGU.

New PIO specializing in Interference Committees is WA9AWJ, licensed for 34 years, an Extra Class who lives in Milwaukee.

Southeastern Wisconsin FM Amateur Repeater Society (SEWFARS) meets fourth Thursdays on every odd month at Equitable Bank in Brookfield, more info from WJ9L or KE9QP.

N9GHZ has put together a beautiful new Directory of Clark and Taylor County Area AR Operators.

Wisconsin Nets

Net	WNA	Freq.	UTC	CST	Mgr.
BWN	Yes	3985	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	0000	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9NGP
NWTN	Yes	34/94	0030	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	0030	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

KB9GFX has applied to be an Official Observer.

Did you know that the W/K ARC of Greater Milwaukee qualified for bonus points in all ten Field Day categories?

Tests: December 3 Stevens Point, River Falls, Racine; December 10 Marshfield, Oak Creek, Madison; December 17 Milwaukee; December 21 West Allis.

Keep your club ARRL affiliated by submitting an annual report to Headquarters; forms and current status is available from K9FHI or me.

Drop me a note if you would like a free list of Wisconsin's 95 radio clubs or 111 traffic nets.

What else would you like in this column?

Sorry to report Silent Key K9AKG, 91, of Racine.

Thought for the month: *The quickest way to find something is to start looking for something else.* □

Net News and Gossip

Badger Weather Net (BWN)

Jim Merrill, W9AYK, Net Manager
W283 Hillendale Drive, Oconomowoc, WI 53066

Checkins are averaging 58 per day during September, with traffic at 50-75 pieces.

Propagation as we continue down this sunspot cycle is interesting. The band has been opening later and later each day. Until the band opens, it is pretty hard to copy most stations. They're patient, though, and wait until things open up. AA0OM, from Kansas, relayed several reports for us, which was a great help. When the band opens, we have to go pretty fast to finish by 7:15. Compare this with a typical June opening of 5:30 or so CDT.

I went fishing with WA9OAY early one morning. And, wouldn't you know it, Murphy struck at YPY's QTH while he was liaison for NWS. He lost power. I guess that kind of exciting for a while. When you hire cheap help, that happens.

I should have stayed home. Bill caught all of the fish anyway.

Jim, W9AYK, NM/BWN

Wisconsin Intrastate Net/Late

Ed Rice, W9NGP, Net Manager
W-126 Lang Road, Oconomowoc, WI 53066

A good way to measure the performance of a net is to compare the totals for a period of time in three categories: number of checkins (QNI), number of messages offered (QTC), and number of messages cleared (QSP). Out totals to date in 1994 exceed those of 1993 in each of these categories, with only one exception. That is the QNI for September of 1994, which fell below 1993 by 22%.

I don't remember what the band conditions were like in September of 1993, but I sure can recall how bad they were in September of 1994. I believe the drop in QNI in September of 1994 was caused by operators who simply did not try to move any traffic. They listened for a few minutes and then pulled the plug.

The fact that the QTC and QSP totals did not drop in September of 1994 shows that the operators who stayed on the job handled the traffic despite the conditions.

My thanks go to operators like W9YCV, N9-

RACES/ARES Mock Forest Fire Exercise

By Wes Jones
Route 1, Box 37
Shell Lake, WI 54871

On September 10, a mock forest fire exercise, led by Wisconsin Department of Natural Resources, was held near and in the village of Grantsburg, Wisconsin. Ignition of this fire was at approximately 12:15 p.m., when fire towers reported a "smoke" northwest of the village. A northwest wind at 20 mph fanned this blaze in extensive jack pine, and it entered the northern part of the village. Before it was brought under control, there were 150 buildings (homes and cabins) threatened. 5000 acres were "burned", but the fire was contained before flames reached the industrial area, where many hazardous materials were stored.

This training was originally scheduled for August 27, but severe weather in the area on that date dictated that all emergency facilities were required to stand by for the real thing. As a result, there was some reduction in personnel and equipment available on the new date. An exact count of individual participants is not available, but 13 community fire departments, Burnett County Emergency Government, the Sheriff's Department, Wisconsin State Patrol, North Ambulance, Grantsburg Explorer Scouts, and Kelli's Summer Kitchen were included. The Wisconsin Department of Natural Resources had a major role under their Incident Command System, involving many fire control units and personnel, overhead team, and an aircraft. In addition, there were many coaches, media observers, legislators, and interested public on hand.

NorWesCo RACES/ARES also had a role to play. Eight radio operators reported for duty with a multitude of mobile and portable gear. A control position was set up at the Grantsburg DNR Ranger Station. As the fire progressed, two mobile units were dispatched to water points to observe, give updated reports on the field situation, and relay messages from the field when unit communications were not available. At the command post, an operator outdoors with a hand-held radio was situated to assist in the check-in of resources as they arrived. Reports were forwarded to another operator in the command post, who advised appropriate team leaders, and in turn relayed assignments back. Two more mobile units were dispatched to additional water points as needed to protect the north side of the village. One operator was placed on reserve standby. At the conclusion of the exercise, our RACES/ARES group was setting up a satellite communications headquarters at an evacuation center.

This was our first exercise in participating with other emergency groups. Besides being valuable training for us, it was our first exposure to many of these people who are now more aware of our existence. We have been advised by many units that we will be included in such exercises in the future, and will be called upon in case of actual emergency. □

CKC, N9KHD, and N9BDL, whose regular QNI and consistent performance as 9th Region Rep make the late WIN successful. I am especially grateful to W9CBE, who handled the 9th Region chores 76 times so far in 1994.

73, Ed

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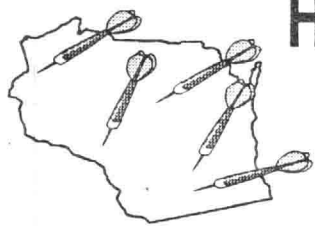
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HERE and THERE

Morse Exemption Denied

The FCC has denied a petition that proposed exemptions from Morse code exams for people age 65 and older.

Guy A. Matzinger, KB7PNQ, argued in his petition that old age results in diminished faculties, and equated those people 65 and older with the severely disabled in terms of passing a CW exam. He proposed the exemption for speeds above 5 WPM.

The FCC said that similar petitions had been denied in the past, because the current Amateur Radio license structure was based on "the desires of the amateur service community," based on thousands of comments on previous petitions. The Commission also noted that its rules already provide for Morse code exemptions for certain recognized disabilities.

Matzinger introduced the results of a survey he conducted that said 63 percent of those he surveyed supported such an exemption. The survey, the FCC said, provided an age profile of those surveyed but did not say how many people were surveyed.

Although the petition got the usual public notice, the FCC said it received no comments on it.

Matzinger is a 67-year-old Technician class licensee who lives in Cheney, Washington.

- ARRL Bulletin 077, 10/3/94

Video award for CQ

"Getting Started in VHF," a video introduction to operating on the Amateur Radio VHF frequency bands and produced by CQ Communications, has won a Silver Hugo Award from "INTERCOM '94," the International Communication Film and Video Festival.

The video was honored in the competition's "Educational -- Adult Audience" category, CQ said in a press release.

Festival director Michael J. Kutza said that "there was a substantial increase in the number of entries this year and competition was more intense than ever." This was INTERCOM's 30th annual film and video competition.

"Getting Started in VHF" is intended both for new hams and for more experienced amateurs who are trying VHF operating for the first time, CQ said. The program was written, produced and

directed by Richard S. Moseson, NW2L, executive producer of the CQ Video Library, and ARRL Northern New Jersey Section Manager.

"Getting Started in VHF" is the second CQ video to win an award. Earlier this year, "Ham Radio Horizons," an introduction to Amateur Radio, received a bronze CINDY award from the Association of Visual Communicators, and it was a finalist in the International Television Association's (ITVA) New Jersey Awards competition.

- ARRL Bulletin ARLX028, 10/11/94

Electronic Filing Software Under Test by VECs, FCC

Both the ARRL-VEC and W5YI-VEC are testing electronic filing software from the FCC. Once any bugs are worked out, the FCC expects to provide the final version of the software to all 18 VECs, the next step in the Commission's computerization of testing.

- The ARRL Letter, 10/3/94

Three California VEs Face License Loss

The FCC has ordered three California amateurs to show cause why their station licenses should not be revoked, and has ordered their operator licenses suspended.

The three, all Extra Class volunteer examiners, are accused by the Commission of signing paperwork indicating that several persons had passed amateur exam elements when, the FCC says, they had not. The exams, the FCC said, were not administered at all.

The FCC also said that, in response to its inquiries, all three VEs replied with answers that the FCC called "misrepresentations of material fact."

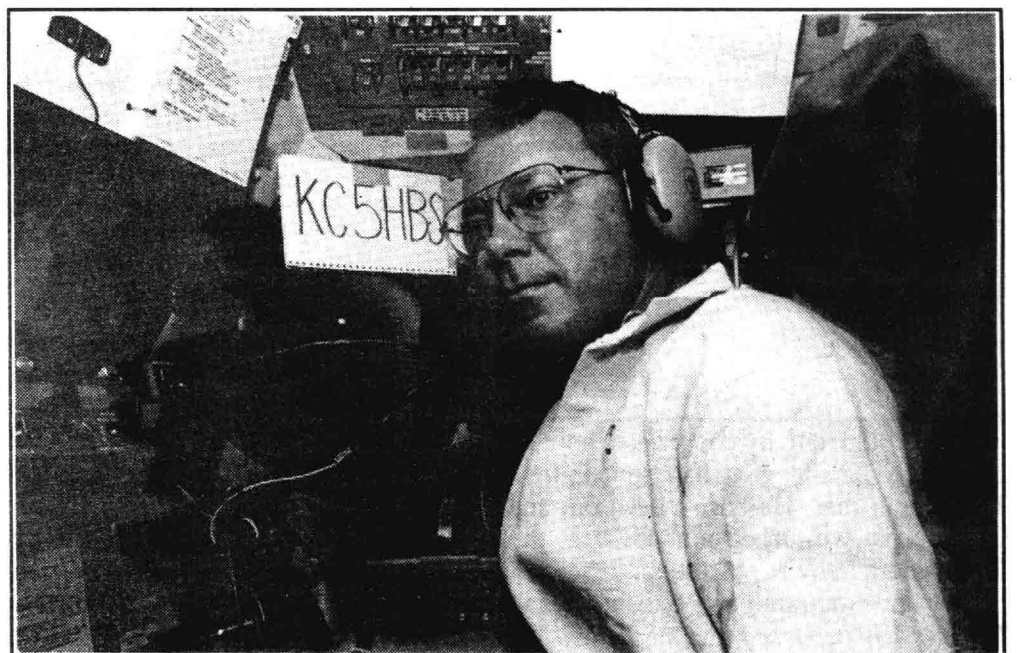
The three amateurs are James B. Williams, AA6TC, of Wilmington, California; and Rose Marie Flores, N6WPR and Robert L. Flores, N6WPQ, both of Santa Monica, California.

The Commission cited an exam session held

When Dr. Andrew J.N. Eardley, G3UXO, called ARRL Headquarters to take out an ARRL membership, he mentioned he'd worked all three amateur licensees aboard the space shuttle in September (STS-64). OM Eardley is the physician on board the RMS *Queen Elizabeth II*, and he used the QE II's amateur 2-meter FM equipment. Because the shuttle lays down a "radio footprint" as it passes overhead, "there isn't much competition," Dr. Eardley said, "in the middle of the Atlantic Ocean."

The next shuttle SAREX Mission will be STS-67 next February. In the NASA photo above is Astronaut L. Blaine Hammond, KC5HBS, pilot.

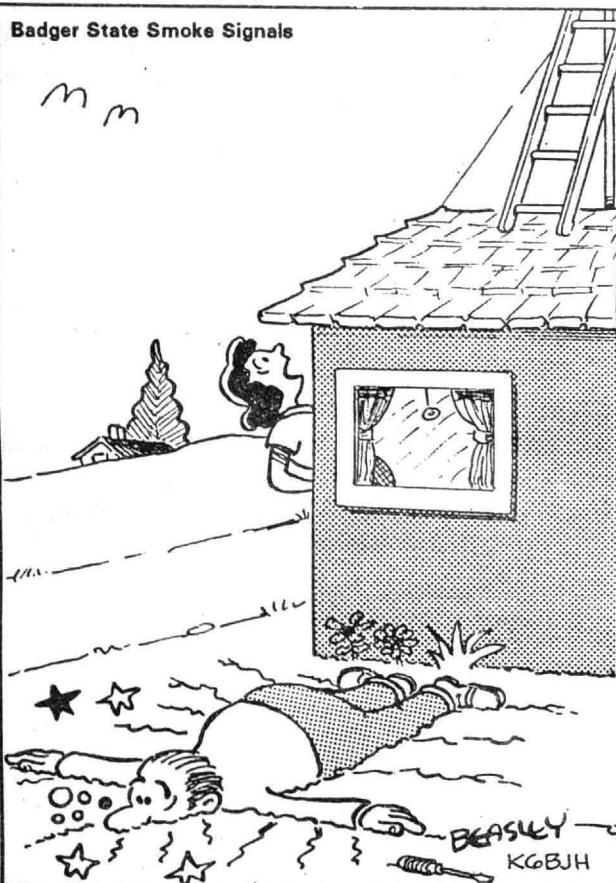
- Story from The ARRL Letter, 10/13/94



August 15, 1993, at the Carol Little Company in

Please turn to page 9

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November 1994

Keep Amateur Repeaters Clean

By D. R. Kubichek, N9JSX/9

1502 South 10th Street
Manitowoc, WI 54220

Amateur repeater technicians, are you aware of a gadget that can eliminate nearly all intermodulation coming from a repeater transmitter? This same gadget protects a transmitter by providing an alternate load for the transmitter when the feedline or antenna has been damaged. This gadget can also help protect the transmitter from static discharges and nearby lightning hits.

The gadget is called a *circulator* or an *isolator*. A single-stage circulator is a three-port device that allows RF to flow in only *one* direction: from one port to the adjacent port. Energy in a circulator is allowed to flow *only* in one circular direction within the device. A circulator is a directional energy coupler that also can be used as a repeater duplexer. A circulator, by nature, is a tuned bandpass filter, eliminating unwanted out-of-band energy from getting into the repeater. An isolator is a circulator with a load. An isolator protects the transmitter by routing all energy coming from the antenna into the load. Isolators provide a constant, 50Ω load for the transmitter, even when the antenna or feedline is malfunctioning.

The operation of a circulator is simple. Imagine a metal box with three "N" connectors. The port one connector is on the right, the port two connector is on the top, and the last connector port (three) is on the left. Port one is the transmitter port, port two is the antenna port, and port three can be for the receiver. Energy coming from the transmitter port (one) can flow *only* to the antenna port (port two) [think of it as sort of a "diode" in a bridge rectifier]. The energy from the antenna port (two) flows *only* to the receiver port (three). And, energy from the receiver port (three) flows *only* to the transmitter port (one). But, now you may see the danger in using a circulator as a duplexer. *If the antenna line goes bad, all the transmitter energy will be routed into the receiver!*

So, instead of having the receiver on port three, a 50Ω dummy load is substituted, isolating the transmitter. Any reflected transmitter energy or energy from other radiators coming in from the antenna will be routed to the dummy load and be dissipated as heat. This same directional energy routing provides some transmitter protection from static discharges and nearby lightning hits. However, remember that even the best device will not protect a repeater from a *direct* lightning hit.

A circulator can generate harmonics of the transmit frequency due to the non-linear ferrite elements used in the circulator. To ensure totally clean operation, a second harmonic filter should be used on the circulator's antenna port.

Who needs an isolator? Any and all transmitters located at a multi-frequency transmitter site. In California, the commercial and amateur frequency coordination groups are requesting that all transmitters at multiple transmitter sites have isolators. Most all the California mountaintop site managers are now *mandating* isolators be put on all site transmitters. With the boom of paging and cellular systems, with their economical transmitters, the need for isolators becomes

mandatory at multi-transmitter sites.

Who is the *usual* target for intermodulation, spurs, and interference complaints at commercial sites? Amateur Radio! Since amateurs typically pay less site rental, compared to commercial renters, guess who is often told to shut down and get out.

So, to preserve commercial site availability to amateurs, we amateurs need to ensure that our operations are always clean. All commercial site amateur repeaters should have an isolator installed on the transmitter. This will keep the dirty, high-power commercial systems from causing problems in amateur repeaters. This lone device just might save your commercial site repeater home when the commercial boys start pointing their dirty fingers! With an isolator in the system, you can show the site manager your never-failing efforts to keep your operations clean (also clearly demonstrating that we amateurs are *not* so cheap or dumb after all!). I wonder if the commercial boys use isolators?

Isolators are priced in accordance with the amount of isolation the transmitter operator desires and the RF load size required to dissipate all the transmitter energy (simulating a direct short). Isolators can be single to quadruple stages with load terminations on each stage. Isolators come in various models covering 60 - 1000 MHz. The typical bandwidth of a two-meter band isolator is 3 - 5 MHz, greater than 30dB of isolation, and less than 0.75dB insertion loss. Isolators need to be tuned for the specific transmitting frequency of the repeater. Typical amateur operations require only a single-stage isolator.

Here are some sources for circulators and isolators.

MANUFACTURER	PRODUCT AND SPECIFICATIONS	MODEL NUMBER	PRICE
WACOM (817) 848-3345 (Amateur discount available)	SINGLE CIRCULATOR >-30dB LOAD TERMINATION, 50Ω, 150W 2ND HARMONIC FILTER >-40dB	WF23-1100	\$340.00
		WLT-5150	\$230.00
		WNF-130N	\$80.00
Sinclair (708) 824-8100	SINGLE CIRCULATOR >-25dB LOAD TERMINATION, 50Ω, 150W TUNABLE HARMONIC FILTER	I-2113A	\$360.00
		EL-150	\$371.00
		AF-2140	\$90.00
CellWave (800) 321-4700	SINGLE CIRCULATOR >-25dB LOAD TERMINATION, 50Ω, 150W TUNABLE HARMONIC FILTER >-40dB	CC150C	\$347.00
		CL150-D	\$239.00
		AF150-T	\$89.00
TX RX Sys (716) 549-4700	SINGLE CIRCULATOR >-25dB LOAD TERMINATION, 50Ω, 100W 2ND HARMONIC FILTER >-30dB	81-37-15-00	\$330.00
		82-01-15	\$165.00
		22-38-02	\$80.00

The above products cover the 2-meter band.

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From the Old Goat

Jim Romelfanger,
K9ZZ, Editor



We could tell by the racket coming from the barn that the old goat had something to say, no butts about that. He hasn't been out and about for a while, so we turned him loose at the computer keys, and hereby hangs the tail.

• Our honorable and esteemed chairman, Ken Ebnetter has *promised* that BSSS will be mailed by second class mail starting with our January, 1995 issue. The U.S. Postal Service has to have a batch of questions answered to their satisfaction before we can make the change. The primary problem concerns subscriptions of members of participating clubs; we have to show that, even though they receive BSSS through their club, that each subscription is still a *paid* subscription. Patience! We want to give you all better (faster) delivery, and we'll get there!

• The October issue was indeed late going to press. That's my own fault; I had a casting call to play a small action part (no lines) in a national TV commercial. I'm a bum in a boxcar. Gad, typecast again.

• A reminder: If you want to get your files to BSSS the fastest way possible, send them to the RF Deck landline BBS here in Baraboo. It's operated by Steve Schulze, N9UDO. Call it at (608) 356-4777. Set your parameters (Your Settings) first. The BSSS file upload area number has been changed; it's 35. We can read nearly any format you can throw at us but, if you have any doubts, send your file(s) in ASCII. Microsoft Word 6.0 did throw us for a bit of a loop. We use Word Perfect 6.0b here, and it doesn't recognize Word 6.0. However, we just discovered that telling WP to convert from Word 5.5 works just fine. Remember that on a landline board, you can send graphics and anything else you want; you aren't restricted to the ASCII character list. (Gad, this goat seems to be a little smarter than we thought he is. He *did* have a little help from K9EN and WA9POV on the Microsoft Word 6.0 problem, however. Thanks, you guys!)

• Participating clubs are reminded that your minutes and any other info for publication should be sent to K9ZZ *no later than five to seven days after the meeting in order to meet our deadline*. Sending it by modem to the RD Deck gets it here immediately, and saves us retyping it.

• Material for the Test Point and other info under the "What's Happening" head must be sent to K9EN.

Having bleated all that, the Old Goat headed right back to the barn, all by himself, but not before leaving us a few raisins as a "see ya later" gift.

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THERE IS NO CHARGE for publication of non-commercial ads in Sell, Swap, Buy. You may send your ad to either Ken Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901, or to Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913.

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1. We attempt to place no two repeaters on the same pair closer than 120 miles.
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3. We not only assist proposed repeaters in finding a frequency where possible, but we actively attempt to protect coordinated repeaters' frequencies from interference whenever possible.
4. W.A.R. has suggested band plans for most of the FM spectrum, a subaudible tone plan for the State of Wisconsin and all necessary information for coordination of new or modifications to existing repeaters. Contact the Frequency Coordinator: Scot Thompson, WB0WOT, Wisconsin Association of Repeaters, W7137 770th Ave., Beldenville, WI 54003.

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O Carrier Access	PL Sub-Audible Continuous Tone
T Touchtone	C Closed Private Repeater
A Autopatch	(CA) Closed Private Autopatch
E Emergency Power	L Link and/or Crossband
P Portable	R RACES Affiliated
Z Autopatch to Law Enforcement	X Wide Area Coverage

Wisconsin Sub-Audible Tone Plan By Region

North Central - 2A, 114.8 Hz	North East - 1B, 107.2 Hz
North West - 2Z, 110.9 Hz	South Central - 3Z, 123.0 Hz
South East - 3A, 127.3 Hz	South West - 3B, 131.8 Hz

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ANTIGO	NC	53.050	N9QMP/R	O USE -1 Mhz NOW	*		N9QMP	11/22/93
ANTIGO	NC	145.310	KD9HH/R	O A E Z	*		KD9HH	04/10/94
APPLETON	NE	145.150	KB9BYP/R	O CA E Z PL-1B	*		O CO ARES	04/10/94
APPLETON	NE	145.330	WD9FLJ/R	O PL 107.2	*		F V VHF A	06/12/94
APPLETON	NE	146.655	KB9ENO/R	O A PL 107.2	*		ECR LTD	04/10/94
APPLETON	NE	146.760	K9QOQ/R	O E PL 107.2 X R	*		F V VHF A	06/12/94
APPLETON	NE	147.195	N9PAO/R	O PL 107.2/114.8	*		VRG	07/26/94
APPLETON	NE	443.650	W9IEI/R	O	*		F V VHF	06/12/94
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BALDWIN	NW	146.685	WB0OND/R	O L E	*		SARCASM	04/17/92
BARABOO	SC	145.310	N9KXX/R	O PL 123.0	*		N9KXX	04/10/94
BARABOO	SC	146.880	K9YXW/R	O E X PL 123.0	*		C W R A	04/29/92
BARABOO	SC	147.315	N9QIP/R	C PL E X L W.I.N.	*		N9QIP	05/25/94
BARABOO	SC	442.950	KE9KX/R	O PL 123.0	*		KE9KX	05/09/94
BARABOO	SC	443.900	N9FBF/R	O A L PL 114.8	*		LFM 38	12/11/93
BARABOO	SC	444.250	N9KXX/R	O PL 123.0	*		BSRG	04/10/94
BAYFIELD	NW	146.610	W9BCY/R	O	*		NLAND ARC	04/10/94
BELDENVILLE	NW	147.225	WB0WOT/R	O A E PL	*		B.A.T.S.	04/10/94
BELDENVILLE	NW	224.840	WB0WOT/R	O A E PL	*		B.A.T.S.	04/10/94
BELDENVILLE	NW	443.225	WB0WOT/R	O A E PL	*		B.A.T.S.	04/10/94
BELOIT	SC	146.670	WA9JTX/R	O ERPL123.0 or *77	*		BELOIT AR	05/09/94
BELOIT	SC	224.300	WB9UBM/R	O TT	*		C.B.S. RG	03/14/92
BERLIN	SC	443.850	N9AOZ/R	O A PL 123.0	*		N9AOZ	05/09/94
BLUFF SIDING	SW	146.835	WB0BDI/R	O	*		WB0BDI	09/09/94
BURLINGTON	SE	146.745	WB9CAS/R	OZA 127.3 L145.290	*		WB9CAS	06/11/93
BURLINGTON	SE	224.060	N9BBQ/R	O PL A E	*		SE WI ERS	12/15/92
CALEDONIA	SE	442.500	WA9KVE/R	O PL 127.3	*		WA9KVE	06/21/93
CAMERON	NW	443.650	N9KOR/R	O E CA	*		N9KOR	04/10/94
CHIPPEWA FALLS	NW	146.880	WA9PAM/R	O	*		WA9PAM	03/12/92
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CRIVITZ	NC	145.470	KA9YQJ/R	O PL 114.8 CA	*		KA9YQJ	04/04/93
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DORCHESTER	NC	145.270	WA9ZCO/R	O A E	*		WA9ZCO	04/04/93
EAGLE RIVER	NC	145.390	KD9PT/R	O	*		KD9PT	04/10/94
EAU CLAIRE	NW	146.910	K9UXP/R	O A E X	*		E C ARC	04/04/93
EAU CLAIRE	NW	147.240	KA9ELD/R	O CA E	*		E C ARC	04/04/93
EAU CLAIRE	NW	443.300	KB9R/R	O E	*		KB9R/R	04/10/94
EAU CLAIRE	NW	444.925	N9RSU/R	O	*		N9RSU/R	05/09/94
ELKHORN	SE	146.865	WA9AJW/R	O A	*		W CO ARES	05/09/94
ETTRICK	SW	146.700	WA9HCZ/R	Y 2125 HZ MARK	*		WA9HCZ	04/10/94
FITCHBURG	SC	444.000	KA9VDU/R	O PL 123.0 L	*		BURG	04/10/94
FOND DU LAC	NE	147.090	WD9ESH/R	O CA E R PL107.2	*		FDL. RPT	07/26/94
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FOND DU LAC	NE	223.900	WA4COY/R	O B CA	*		WA4COY	01/31/94
FOND DU LAC	NE	444.150	WA4COY/R	O B A PL 107.2	*		WA4COY	05/22/93
FORT ATKINSON	SC	53.090	AA9AD/R	O PL 123.0	*		S.W.R.G.	04/10/94
FORT ATKINSON	SC	145.490	W9MQB/R	O	*		TCARC	04/10/94
FORT ATKINSON	SC	224.420	N9DIT/R	O	*		N9DIT	04/10/94
FORT ATKINSON	SC	442.750	N9DIT/R	O PL 123.0	*		N9DIT	04/10/94
FRANKLIN	SE	444.625	K9WQG/R	O	*		K9WQG	06/06/93
FRANKLIN	SE	1282.500	KD9Y/R	O	*		KD9Y	11/22/93
FRANKSVILLE	SE	223.800	KC9NG/R	O	*		KC9NG	04/10/94
FREEDOM	NE	224.220	AA9A/R	O PL	*		AA9A	11/15/90

LOCATION	RG	OUTPUT	CALL	ACCESS	UPDATE	OK=*	SPONSOR	UPDATED
FREMONT	NC	147.015	N9AOT/R	O A L 29.600 TT			W.A.C.O.	03/22/92
GERMANTOWN	SE	147.045	WB9EFP/R	O CA			WB9EFP	04/16/93
GERMANTOWN	SE	224.180	W9CQO/R	O	*		O.R.C.	07/26/94
GERMANTOWN	SE	443.225	WD9DH/R	O PL 114.8	*		W E R A	03/12/92
GILLET	NE	224.480	WL7MO/R	O PL 114.8	*		WL7MO	04/10/94
GILLINGHAM	SC	147.120	K0DB/R	O	*		K0DB	08/01/94
GLIDDEN	NW	444.650	N0EDV/R	O INPUT 144.65	*		N0EDV	04/04/93
GREEN BAY	NE	147.075	N9PAW/R	O E PL 107.2	*		N9PAW	04/10/94
GREEN BAY	NE	147.120	K9GB/R	O A E Z X	*		G B M&K	03/12/92
GREEN BAY	NE	147.270	KB9ALN/R	OXPL 107.2 31U/30D	*		NEW RL	10/24/93
GREEN BAY	NE	147.360	K9EAM/R	O A E Z	*		GB M&K	03/12/92
GREEN BAY	NE	223.940	KB9DSV/R	O A E PL-107.2	*		KB9DSV	12/29/93
GREEN BAY	NE	224.140	K29O/R	O A E PL 107.2	*		RADACTV	04/10/94
GREEN BAY	NE	443.500	KB9AMM/R	O CA	*		KB9AMM	06/12/94
GREEN BAY	NE	443.750	N91IE/R	O	*		RRU	04/04/93
GREEN BAY	NE	444.200	WB9VJV/R	C	*		WB9VJV	12/11/93
GREEN BAY	NE	444.775	K9EAM/R	O CA E Z	*		G B M&K	06/12/94
GREEN LAKE	SC	146.955	KB9WC/R	O E	*		G FOX ARC	05/22/93
GREEN LAKE	SC	444.400	KB9WC/R	O	*		G FOX ARC	05/22/93
GREENFIELD	SE	52.880	WB9WKR/R	O	*		GF'LD 6RS	03/12/92
HARTFORD	SE	52.990	K9MLD/R	O	*		K9MLD	06/06/93
HAYWARD	NW	147.255	W9NWS/R	O CA	*		NVWA	06/12/94
HAYWARD	NW	444.850	N9EGE/R	O	*		N9EGE	04/10/94
HILBERT	NE	53.170	KN9P/R	O	*		KN9P	04/19/93
HILBERT	NE	145.270	N9OBG/R	O A E PL 107.2	*		N9OBG	06/12/94
HILLSBORO	SW	145.370	WB9SBD/R	O	*		WB9SBD	12/14/92
HIXTON	SW	146.940	KC9YE/R	O	*		T/J RA	07/26/94
HOLCOMBE	NW	52.810	N9LIE/R	O	*		N9LIE	07/26/94
HOLCOMBE	NW	145.470	N9LIE/R	O	*		N9LIE	07/26/94
HOLCOMBE	NW	147.345	N9QWH/R	O A E	*		N9QWH	05/09/94
HOLCOMBE	NW	444.625	N9QWH/R	O	*		N9QWH	04/04/93
HOLLANDALE	SC	146.655	KB9AKM/R	O	*		ICATS	04/10/94
HOLLANDALE	SC	444.550	N9QIP/R	C LINK W.I.N.	*		N9QIP	05/09/94
HUBERTUS	SE	145.250	KA9HLP/R	O	*		A.R.E.S.	09/08/92
HUDSON	NW	145.130	W9AVX/R	O CA R E T	*		SCC RACES	04/04/93
HUDSON	NW	146.955	K0LAV/R	O TTON287 TTOFF1287*	*		K0LAV	04/10/94
IOLA	NC	444.650	N9NOI/R	O PL 114.8	*		N9NOI	12/11/93
IRMA	NC	146.730	K9GTQ/R	O	*		K9GTQ	11/12/93
IRON RIVER	NW	147.270	W0KMT/R	O E PL 114.8	*		W0KMT	06/12/94
JANESVILLE	SC	145.450	WD9ACY/R	O	*		RAT SYS	04/04/93
JANESVILLE	SC	147.075	KB9YC/R	O PL 123.0	*		KB9YC	05/09/94
JANESVILLE	SC	442.825	KB9YC/R	O PL 123.0	*		KB9YC	05/09/94
JUNEAU	SC	146.640	W9TCH/R	O A E 2911 WX	*		ROCK R RC	05/09/94
KAUKAUNA	NE	444.450	ND9Z/R	O CA	*		ND9Z	04/10/94
KENOSHA	SE	224.800	WB9LST/R	O A E PL 114.8	*		K.A.R.S.	04/10/94
LA CROSSE	SW	29.640	KE9XQ/R	O	*		KE9XQ	12/11/93
LA CROSSE	SW	146.760	K9CUT/R	O	*		LCARC	06/12/94
LA CROSSE	SW	146.865	KE9XQ/R	O	*		KE9XQ	12/11/93
LA CROSSE	SW	146.970	K0JYB/R	O A E X	*		RVRLNDARC	05/09/94
LA CROSSE	SW	147.090	N9ETD/R	O	*		MVARA	05/09/94
LA CROSSE	SW	444.600	WA9HCZ/R	O	*		ONA ARC	04/10/94
LA VALLE	SC	442.400	W9EBF/R	O PL 123.0	*		W9EBF	06/12/94
LADYSMITH	NW	53.150	N9QWH/R	O A USE 1 MHZ NOW	*		N9QWH	05/09/94
LADYSMITH	NW	223.920	N9QWH/R	O A E	*		N9QWH	05/09/94
LAC DU FLAMBEAU	NC	146.670	N9AFN/R	O PL	*		N9AFN	04/10/94
LAC DU FLAMBEAU	NC	146.700	W9BTN/R	O PL 114.8	*		W9BTN	06/12/94
LODI	SC	147.225	K9EYY/R	O CA E PL 114.8	*		K9EYY	04/04/93
MADISON	SC	53.070	N9KAN/R	O PL 123.0 (P)	*		S.W.R.G.	04/10/94

Telegraphy Included in Two New Movies Shot at North Freedom Steam Museum

By R. L. King, KA9GNY
411 Lynn Avenue, Baraboo, WI 53913

A new museum, called "Steam Town," is opening at Scranton, Pennsylvania. Two companies have been shooting scenes at the Mid-Continent Railway Museum for use in a 35mm, 20 minute documentary covering turn-of-the-century railroading and in a montage videotape covering some 10 or 12 subjects about specific phases of railroading, each lasting about four minutes.

Yours truly was in the 35mm shoot, in the last two minutes talking to the conductor of a train, and

then "pounding the brass" for a few seconds. I won't tell you what I said; you'll have to go to Scranton.

The video was specifically about telegraphy. It is sort of a fantasy, starting with two kids with walkie-talkies, running a model railroad. The grandfather interjects how easy it was to use the "walkies," but tells them it was more difficult back in the days of the telegraph. An animation then follows, showing a key and sounder putting themselves together and showing exactly how the electromagnetic principle works.

The fantasy starts with a "runaway engine" swooshing by in the night. A yard hand comes running in and tells the operator "There's a runaway engine on the main line, headed for Hoboken." The telegrapher opens his key and tries to raise the next station along the line. (The "operators" were "extras" who faked sending.) Finally, the next station answers, and the runaway is side-tracked. The operator at the distant station says, "All is well here at Stroudsburg."

The last scene is the toy engine dropping off the track into the little boy's hands.

After all this is shot (three "takes" for each scene), then KA9GNY has to step in and fill all the "sound holes" with the real McCoy.

It was a challenge, but fun. I only hope the poor "cutter" can match up the live sound with the fake sending. Good luck!!

LOCATION	RG	OUTPUT	CALL	ACCESS	UPDATE	OK=*	SPONSOR	UPDATED
MADISON	SC	146.685	W9YT/R	O PL 107.2			UWB ARS	12/14/92
MADISON	SC	146.760	WB9AER/R	O CA E Z PL 123.0		*	M A R A	04/10/94
MADISON	SC	146.940	W9FZC/R	O PL 123.0			C W R A	04/29/92
MADISON	SC	147.150	WB9AER/R	O CA E Z PL 123.0		*	M A R A	04/10/94
MADISON	SC	224.160	WB9RSQ/R	O PL			WB9RSQ	06/06/93
MADISON	SC	443.000	NZ9B/R	O			BURG	03/31/92
MADISON	SC	443.400	N9KAN/R	O PL 123.0 CA X L		*	S.W.R.G.	04/10/94
MADISON	SC	444.500	WB9TAE/R	O PL 123.0 CA E L		*	WB9TAE	05/09/94
MADISON	SC	444.725	N9PHQ/R	O PL 123.0		*	N9PHQ	10/10/93
MADISON	SC	444.775	NG9V/R	O PL 114.8		*	NG9V	04/29/92
MADISON	SC	444.925	WB9TAE/R	O PL (MOBILE)			WB9TAE	04/04/93
MANITOWOC	NE	145.190	WB9MFB/R	C		*	WB9MFB	07/25/94
MANITOWOC	NE	146.610	W9DK/R	O TT CA		*	MANCORAD	04/10/94
MANITOWOC	NE	146.700	K9FWR/R	RTTY			K9FWR	12/10/89
MANITOWOC	NE	147.030	N9GHE/R	O A PL 107.2		*	N9GHE	04/10/94
MANITOWOC	NE	224.540	N9GHE/R	O		*	N9GHE	04/10/94
MANITOWOC	NE	443.975	N9GHE/R	O A		*	N9GHE	04/10/94
MARSHFIELD	NC	145.490	W9FYP/R	O		*	W9FYP	04/10/94
MARSHFIELD	NC	147.180	AA9BN/R	OAE Z911 L 444.975		*	MAARS	07/25/94
MARSHFIELD	NC	444.975	AA9BN/R	O E L 147.18			MAARS	06/06/93
MAUSTON	NC	146.850	N9FVP/R	O		*	ARCOFCW	07/25/94
MEDFORD	NC	147.150	W9QHI/R	O E P WX A			TAYLOR	05/22/93
MENOMONEE FALLS	SE	444.425	KA9FIN/R	O		*	SHRINE	04/10/94
MENOMONIE	NW	146.610	WB9YMB/R	O			R CDR RA	06/21/93
MENOMONIE	NW	146.805	N9HNI/R	O			N9HNI	04/04/93
MENOMONIE	NW	443.575	N9KIP/R	O		*	N9KIP	04/10/94
MERRILL	NC	53.190	N9QJ/R	O			MERRIL RA	04/19/93
MERRILL	NC	145.450	KB9DZG/R	O		*	KB9DZG	12/11/93
MERRILL	NC	146.970	N9QJ/R	O			MERRIL RA	04/04/93
MILTON	SC	146.715	K9RIJ/R	O CA		*	K9RIJ	04/10/94
MILTON	SC	443.175	K9RIJ/R	O		*	K9RIJ	08/01/94
MILWAUKEE	SE	29.620	WB9ZRB/R	O		*	IND RP SY	12/29/93
MILWAUKEE	SE	29.680	N9BBG/R	O PL 127.3			N9BBG	03/21/91
MILWAUKEE	SE	52.990	N9PPX/R	O		*	N9PPX	05/09/94
MILWAUKEE	SE	53.030	WB9TRO/R	O		*	W.E.R.A.	04/10/94
MILWAUKEE	SE	52.680	WB9ZRB/R	O		*	IND RP SY	12/29/93
MILWAUKEE	SE	145.130	N9EGR/R	O A E L ZXPL 127.3			MAARS	06/06/93
MILWAUKEE	SE	145.170	W9FK/R	O			WARAC	06/06/93
MILWAUKEE	SE	145.230	N9BMH/R	O PL 141.3		*	N9BMH	12/11/93
MILWAUKEE	SE	145.390	WB9AFB/R	O PL 127.3		*	MATC RC	04/10/94
MILWAUKEE	SE	146.625	WB9ZRB/R	O		*	WB9ZRB	12/29/93
MILWAUKEE	SE	146.670	W9WK/R	O		*	ARES	10/12/93
MILWAUKEE	SE	146.790	W9HHX/R	O A CA PL 127.3			MSQE ARC	02/08/93
MILWAUKEE	SE	146.850	W9KHO/R	O PL 127.3		*	MICORS	07/26/94
MILWAUKEE	SE	146.910	WA9JOB/R	O E Z X PL 127.3			M.R.C.	07/05/92
MILWAUKEE	SE	147.000	W9PY/R	O PL 146.2		*	P.R.C.	06/12/94
MILWAUKEE	SE	147.105	K9IFF/R	C CA TT		*	K9IFF	04/10/94
MILWAUKEE	SE	147.135	NY9T/R	O PL 141.3			NY9T	06/28/92
MILWAUKEE	SE	147.165	WB9SDD/R	O PL 127.3 E			WB9SDD	04/16/93
MILWAUKEE	SE	147.210	W9ODD/R	O PL 127.3		*	M.U. RAMS	04/10/94
MILWAUKEE	SE	223.860	WB9UOS/R	O		*	WB9UOS	04/15/94
MILWAUKEE	SE	224.680	WB9AFR/R	O PL 127.3			WB9AFR	04/29/92
MILWAUKEE	SE	224.900	NK9G/R	O			NK9G	11/15/90
MILWAUKEE	SE	224.960	WB9EUF/R	O PL 127.3			WB9EUF	06/06/93
MILWAUKEE	SE	427.250	N9BMH/R	O ATV RPT		*	N9BMH	01/31/94
MILWAUKEE	SE	442.200	N9OEZ/R	O		*	N9OEZ	09/09/94
MILWAUKEE	SE	442.650	N9VBK/R	O CA PL 114.8		*	N9VBK	09/09/94
MILWAUKEE	SE	443.050	N9OSK/R	C		*	N9OSK	08/22/94
MILWAUKEE	SE	443.150	W9KHO/R	O PL 114.8		*	MICORS	07/26/94
MILWAUKEE	SE	443.300	WB9TYT/R	O PL 114.8		*	WB9TYT	07/26/94
MILWAUKEE	SE	443.550	K9HXA/A	C			K9HXA	04/04/92
MILWAUKEE	SE	443.700	WA9HUX/R	O PL			WA9HUX	04/04/93
MILWAUKEE	SE	443.750	WA9POV/R	O		*	WA9POV	04/28/94
MILWAUKEE	SE	443.800	N9GMT/R	O A E Z L PL 114.8			FM 38	07/11/93
MILWAUKEE	SE	444.200	K9HXA/A	C			K9HXA	04/04/92
MILWAUKEE	SE	444.300	W9SUF/R	O Z PL 114.8		*	ARES	12/11/93
MILWAUKEE	SE	444.325	N9CFG/R	O PL 127.3		*	B.I.O.S.	04/10/94
MILWAUKEE	SE	444.800	K9HXA/A	C DPL			K9HXA	04/04/92
MILWAUKEE	SE	444.825	AA9AR/R	O PL 136.0		*	AA9AR	08/01/94
MILWAUKEE	SE	444.850	WB9TRO/R	C PL A E L		*	W.E.R.A.	04/10/94
MILWAUKEE	SE	444.875	WB9TRO/R	C		*	W.E.R.A.	05/09/94
MONROE	SC	145.110	NR9W/R	O		*	G C ARA	04/10/94
MOSINEE	N9	147.105	N9KJK/R	C		*	KJK	09/21/93
MT STERLING	SW	147.360	W9DMH/R	O		*	W9DMH	04/10/94
NEW BERLIN	SE	147.285	W9EBF/R	O PL 127.3		*	W9EBF	06/12/94
NEW BERLIN	SE	442.700	N9GSI/R	O A PL 114.8			N9GSI	02/26/92
NEW HOLSTEIN	NE	147.300	K9LGU/R	O A E Z			C.A.R.E.S	04/16/93
NORTH FREEDOM	SC	443.675	K9JUU/R	O PL 114.8 TT 71L		*	S.W.R.G.	04/10/94
OCOMOWOC	SE	442.025	N9JUU/R	O PL 114.8			N9JUU	06/21/93
ONALASKA	SW	444.475	W9LZQ/R	O		*	RARC	05/09/94
OSHKOSH	NE	147.240	KA9JAC/R	O TT A E Z			WIN CTY E	06/06/93
OSHKOSH	NE	147.345	WB9ZHN/R	O PL 107.2		*	SOLAR	04/10/94
PARK FALLS	NC	147.000	KA9EOK/R	O		*	PRICE RA	06/12/94
PARK FALLS	NC	444.750	AG9G/R	O		*	AG9G	05/09/94
PEPIN	NW	145.350	KB9S/R	O		*	WAB ARS	12/11/93
PEWAUKEE	SE	147.210	WB9AKC/R	O PL 127.3		*	WCTC ARC	04/10/94
PEWAUKEE	SE	443.125	WB9AKC/R	O PL 127.3		*	WCTC ARC	04/10/94
PLAIN	SC	442.100	KA9VDU/R	O PL114.8			BURG	08/01/94
PLATTEVILLE	SW	145.270	N9PMB/R	O A E		*	UWPARC	12/11/93
PLYMOUTH	NE	147.060	NF9R/R	O PL 107.2		*	SCARC	04/10/94
PLYMOUTH	NE	224.940	NF9R/R	O		*	SCARC	04/10/94
PLYMOUTH	NE	444.100	KD9TZ/R	O PL 107.2		*	S CTY 440	04/10/94
PLYMOUTH	NE	444.350	WE9R/R	O E L X PL 114.8			WE9R	09/26/92
POUND	NC	146.685	KA9JVH/R	O PL 107.2		*	KA9JVH	06/12/94
POWERS LAKE	SE	443.925	KC9XN/R	O PL 114.8 L		*	L&K ARS	04/10/94
POYNETTE	SC	224.660	KE9KX/R	O			KE9KX	06/21/93
PRAIRIE FARM	NW	147.075	K9ST/R	O		*	K9ST	11/02/93
PT WASHINGTON	SE	146.970	W9CQO/R	O A PL127.3 E X Z		*	O.R.C	07/26/94
PT WASHINGTON	SE	147.330	WB9RQR/R	O A PL 127.3		*	OZARES	04/10/94

LOCATION	RG	OUTPUT	CALL	ACCESS	UPDATE	OK=*	SPONSOR	UPDATED
PT WASHINGTON	SE	443.525	WB9RQR/R	O PL 114.8		*	OZARES	04/10/94
RACINE	SE	53.210	N9GKH/R	O P			N9GKH	07/27/92
RACINE	SE	147.270	W9UDU/R	O A E Z I P R		*	L/S RP A	04/10/94
RACINE	SE	442.000	KB9HSJ/R	O CA PL 127.3		*	A.C.T.	04/10/94
RACINE	SE	442.200	N9OEZ/R	O 103.5 + MDC LINK		*	C.A.R.S.	04/10/94
RACINE	SE	443.950	KA9JMK/R	O PL 127.3		*	KA9JMK	04/10/94
RACINE	SE	444.050	KA9LOK/R	O			KA9LOK	04/16/93
RACINE	SE	444.950	WA9BDX/R	O PL 114.8		*	WA9BDX	04/10/94
RHINELANDER	NC	145.370	KA9TCC/R	O CA E		*	NWARC	06/12/94
RHINELANDER	NC	146.940	W9ZZZ/R	O A E		*	RHIN RP A	04/10/94
RICE LAKE	NW	145.110	WA9CXN/R	O			WA9CXN	09/13/90
RICE LAKE	NW	147.030	WB9WFG/R	O			BAR ARES	04/19/93
RICHLAND CENTER	SW	146.910	WB9SLI/R	O PL			P V RP A	12/14/92
RIDGEVILLE	SW	444.850	KB9EBX/R	O PL 167.9		*	KB9EBX	04/10/94
RIVER FALLS	NW	443.800	K9ZMA/R	O		*	K9ZMA	06/12/94
ROBERTS	NW	147.330	KA9YRV/R	O PL 110.9 TX & RX		*	SCVRA	09/21/93
ROSHOLT	NC	147.255	KF9HP/R	O			KF9HP	06/20/93
RUBICON	SC	145.350	WB9KPG/R	O A E Z		*	WB9KPG	12/11/93
SAYNER	NC	145.130	N9QGJ/R	O CA		*	MERRIL RA	09/10/93
SHAWANO	NC	145.350	KA9NWX/R	OCARBXZE PL 114.8		*	KA9NWX	07/25/94
SHEBOYGAN	NE	145.110	KR9S/R	O		*	SHEB DX	12/11/93
SHEBOYGAN	NE	147.255	N9REH/R	O		*	N9REH	04/10/94
SHELDON	NW	145.470	N9LIE/R	O		*	N9LIE	07/26/94
SISTER BAY	NE	147.180	W9AIQ/N	O E PL 107.2		*	DC ARC	12/29/93
SLINGER	SE	52.830	W9QMD/R	O		*	W9QMD	11/22/93
SOLO SPRINGS	NW	145.490	K9ASC/R	O O A E			DC RACES	05/22/93
SPARTA	SW	147.000	KA9YPF/R	O			KA9YPF	03/31/92
SPARTA	SW	224.000	KA9YPF/R	O			KA9YPF	03/31/92
SPOONER	NW	147.135	KE6WF/R	O E Z L 223.2MHZ.		*	KE6WF	04/10/94
SPOONER	NW	444.800	KE6WF/R	O		*	KE6WF	04/10/94
SPOONER/HERTL	NW	147.300	WB9RBD/R	O CA E Z		*	B.A.R.S.	04/10/94
SPOONER/HERTL	NW	224.500	WB9RBD/R	O A E Z		*	B.A.R.S.	04/10/94
SPOONER/HERTL	NW	443.500	WB9RBD/R	O A E Z		*	B.A.R.S.	04/10/94
ST GERMAIN	NC	147.315	KA9UCE/R	O E PL 114.8			E.S.R.G.	04/04/93
ST GERMAIN	NC	444.400	KA9UCE/R	O			KA9UCE	04/19/93
ST LAWRENCE	SE	146.730	W9MQD/R	O		*	WC ARC	09/09/94
STEVENS POINT	NC	146.670	WB9QFW/R	O A E Z		*	CWRA LTD	04/10/94
STEVENS POINT	NC	146.985	W9NN/R	O E		*	CWRA LTD	04/10/94
STEVENS POINT	NC	444.700	KC9NW/R	O E		*	KC9NW	04/10/94
STOUGHTON	SC	434.000	N9BXA/R	O ATV			N9BXA	11/28/90
STOUGHTON	SC	443.325	N9LHS/R	O PL 114.8		*	N9LHS	02/16/94
STURGEON BAY	NE	146.730	WB9YUY/R	O OR PL 107.2 E		*	WB9YUY	10/12/93
STURGEON BAY	NE	147.210	W9AIQ/R	O CA E Z			DOOR E G	04/17/92
STURGEON BAY	NE	444.000	WB9YUY/R	O		*	WB9YUY	10/12/93
STURGEON BAY	NE	920.000	WB9YUY/R	O		*	WB9YUY	10/12/93
STURGEON BAY	NE	1282.100	WB9YUY/R	O		*	WB9YUY	10/12/93
STURTEVANT	SE	29.640	WA9ZYU/R	O		*	WA9ZYU	04/10/94
STURTEVANT	SE	224.740	WA9ZYU/R	O		*	WA9ZYU	04/10/94
SUN PRAIRIE	SC	443.600	KA9QOT/R	O E PL 123.0		*	KA9QOT	05/09/94
SUPERIOR	NW	146.760	WB9WK/R	O			T P A RA	06/04/92
SUPERIOR	NW	146.820	WA9VDW/R	O			T P A RA	06/04/92
SUPERIOR	NW	444.900	WA9KLM/R	O A E		*	WITC ARC	04/10/94
TIGERTON	SW	147.135	KF9TS/R	O PL E A R		*	KF9TS	06/12/94
TOMAH	SW	145.390	N9BOE/R	O E Z911		*	MCARC	07/26/94
TOMAH	SW	444.800	N9QIP/R	C LINK TO W.I.N.		*	N9QIP	05/09/94
TOMAHAWK	NC	53.110	N9CLE/R	O P			TOM. R A	04/19/93
TOMAHAWK	NC	145.430	N9CLE/R	O A E Z911			TOM RP A	04/04/93
TOMAHAWK	NC	223.760	N9CLE/R	O		*	TOM RP A	04/04/93
TOMAHAWK	NC	444.575	N9CLE/R	O		*	N9CLE	04/04/93
TREVOR	SE	145.290	KA9VZD/R	O PL A E L Z X		*	STLIN ARC	04/10/94
TREVOR	SE	442.600	KA9VZD/R	PL E A Z		*	KA9VZD	04/10/94
UNION GROVE	SE	442.250	N9OIG/R	O PL 103.5		*	N9OIG	05/09/94
WABENO	NE	145.110	KF9DB/R	OXPL107.2 32U/32#D			NRL	04/04/93
WALES	SE	224.120	WB9DRO/R	O PL 127.3		*	WB9DRO	04/10/94
WAUKESHA	SE	147.390	N9KS/R	O			E.A.R.S.	04/04/92
WAUKESHA	SE	224.460	KX3H/R	O PL 127.3		*	KX3H	09/09/94
WAUPACA	NC	145.410	WB9ICH/R	O A E		*	MIDWI ARG	04/10/94
WAUPACA	NC	146.835	N9BKJ/R	O A E L R X WXARES			N9BKJ	04/04/93
WAUPACA	NC	146.925	KE9UT/R	O A E Z WX			MIDWI ARG	12/14/92
WAUPACA	NC	147.390	WA9FDC/R	O X ARES/RACES		*	WP'ACA RC	04/10/94
WAUPACA	NC	444.825	N9BKJ/R	O L		*	N9BKJ	04/04/93
WAUSAU	NC	53.450	W9BCC/R	O		*	R.M.R.A.	04/10/94
WAUSAU	NC	146.640	W9SM/R	O E CA L Z X		*	W.V.R.A.	12/11/93
WAUSAU	NC	146.820	W9BCC/R	O E Z L		*	R.M.R.A.	04/10/94
WAUSAU	NC	147.060	W9KRY/R	O CA E		*	KC9NW	04/10/94
WAUSAU	NC	224.640	W9SM/R	O E CA L Z X		*	WI VAL RC	12/11/93
WAUSAU	NC	421.250	AD9W/R	O E L AURAL + 4.5		*	RMATS	04/10/94
WAUSAU	NC	923.250	AD9W/R	O E L AURAL + 4.5		*	RMATS	04/10/94
WAUSAU	NC	1250.000	AD9W/R	O E L AURAL + 4.5		*	RMATS	04/10/94
WAUSAU	NC	421.250	AD9W/R	OEL VIDFM AUD+4.5		*	RMATS	04/10/94
WAUSAU	NC	421.250	AD9W/R	OEL VIDFM AUD+4.5		*	RMATS	04/10/94
WAUSAU	NC	443.325	KA9SOT/R	C		*	KA9SOT	09/09/94
WAUSAU	NC	443.750	KC9NW/R	O CA E		*	KC9NW	04/10/94
WAUSAU	NC	443.950	KC9NW/R	O		*	KC9NW	04/10/94
WAUSAU	NC	444.100	W9SM/R	O CA Z911		*	WVRA	12/11/93
WAUSAU	NC	444.300	W9BCC/R	O E Z L		*	R.M.R.A.	04/10/94
WAUSAU	NC	906.000	W9BCC/R	O		*	R.M.R.A.	04/10/94
WEBB LAKE	NW	145.190	N9EDV/R	O			N9EDV	04/04/93
WEST ALLIS	SE	224.520	KA9JCP/R	O A E			KA9JCP	04/04/93
WEST BEND	SE	443.425	N9NBN/R	O PL 114.8 CA (P)			N9NBN	04/19/93
WEST BEND	SE	444.900	N5IIA/R	O PL 114.8		*	N5IIA	05/09/94
WEYERHAUSER	NW	145.170	KA9PZX/R	O		*	KA9PZX	09/10/93
WI RAPIDS	NC	146.790	W9DQA/R	O PL 114.8 TX&RX		*	MIDST RA	05/09/94
WI RAPIDS	NC	147.330	K9PJ8/R	O CA E Z		*	WI AIR RA	05/09/94
10-07-94								



SHEBOYGAN County Amateur Radio Club

Mike Musiel, KF9SJ, Secretary
N9001 Dairyland Rd., Cleveland, WI 53015

The October 11, 1994 meeting of the Sheboygan County Amateur Radio Club was called to order by Steve, KF9KZ.

The club now holds two meetings a month. The second Tuesday of the month is reserved for presentations on Amateur Radio related subjects, followed by a social get together. The fourth Tuesday of the month is now reserved for club business. All club members who wish to have an input on club business are welcome to attend. The SCARC meets at the Red Cross Building, 2032 Erie Ave., Sheboygan, WI at 7 p.m.

This month's meeting presentation was on TCP/IP by N6ARE. He presented a good overview of what it was, and how it applied to packet. This presentation was video taped; if you are interested in seeing this tape, contact one of the board members.

The coveted Flat Tube Award was given to WB9GTX for his efforts in the last month. We wish to thank him, and many other members of the club for the help they have provided in the last month. Al, NF9R, has resigned from the

Technical Committee. Mike, KF9SJ, has volunteered his services for this position.

The club fox hunt was held on October 15. Joe, N9REH, found the fox in just over 1 hour, and will be the fox for the next hunt. We need more participation! If you are interested in joining a fox hunt, but would like a partner who may have more experience (and directional antennas), contact one of the board members.

ANNOUNCEMENTS

The next general meeting of the SCARC will be November 8, at 7 p.m. The program will be on SWL listening, presented by Steve, N9TRK.

Keep in touch with the latest club happenings by checking into the SCARC Monday night net (7 p.m. 147.06 +107.2 PL), or by connecting to SHEBBS on packet via WISHEL (144.99 MHz, NF9R-8), or WISHE (145.01 MHz, NF9R-1).

SEPTEMBER BUSINESS MEETING NOTES

QCWA Southeast Wisconsin Chapter 162

Continued from page 13

the General class about seven, but only three are attending regularly in the latter group.

To keep with the spirit of ham get-togethers, instructors and students generally form a second meeting at a local restaurant after class and talk about (what else?), Amateur Radio. After class a few weeks back, six of us dined, coffeed, and talked ourselves out. Receiving a single check for the service, we all pitched our respective share into the "pot," and Spence Clope, W9LDH, said he would gather up the loose change and paid the bill, since he had only a \$20 bill.

The group sat around for another ten minutes, drinking coffee and shooting the bull before departing the restaurant. We all

The new club format will make it hard for us to get current meeting agendas into the *Badger State Smoke Signals* on time. Until we figure out how to deal with this issue, summaries of the business will be printed here. For notice on issues to be discussed at the next business meeting, check into the Monday night net, or connect to SHEBBS via packet.

A possible expenditure was discussed concerning the rotor at the club station. It was decided to wait until spring to decide

walked out and forgot he was supposed to pay the tab. Cheer up, Spence, we have all done the same thing (just ask my wife).

Mark your calendars for the 25th of February, 1995. Our annual Ham Banquet will be held at Ensenada's Restaurant, 8300 Washington Avenue, in Racine. Fine dining, excellent fellowship, superior music, and a program of outstanding achievements (hopefully), and generally a very good time will be had by all attendees!

An awards committee has been formed from all participating clubs for the purpose of recognizing hams who have served our community and our hobby in an outstanding manner. To nominate some deserving ham for recognition at the banquet, submit in writing your reasons for selecting this individual(s), and mail your letter to Larry McCaivy, WA9JMO, 5400 Six Mile Road, Racine, WI 53402 by the 31st of January, 1995.

73, Larry McCaivy, WA9JMO

this issue, if a new rotor is needed. Mike, KF9SJ, will attempt to determine the failure point, and make repairs before the winter season arrives.

Steve, KF9KZ, is looking into locations for the club banquet for this coming year. Mike, N9SVQ, has volunteered his DJ service for the entertainment.

The next business meeting will be November 22, 1994.

Submitted by Mike Musiel, KF9SJ

Here and There

Continued from page 5

Los Angeles, at which seven candidates passed; the FCC initially withheld, but later granted, those licenses. According to the FCC, the three VEs claimed that there was a second "sitting" on the same day, at the same place, a claim not adequately verified. As a result, the FCC "set aside" (withdrew) licenses granted to an additional eight people.

The August 15, 1993 session was conducted under the coordination of the ARRL/VEC. The ARRL/VEC suspended the accreditations of the three volunteer examiners when questions arose in late 1993.

The Order was released September 27, 1994; the three had 30 days to request a hearing before an administrative law judge.

- The ARRL Letter, 10/13/94

Say it With Modems!

If you have material for publication in *Badger State Smoke Signals*, the fastest way to get it to us for publication is to log onto the RF Deck landline BBS here in Baraboo at (608) 356-4777. This (1) saves us retyping material, and (2) it is immediate - no delays going through the U.S. Postal Service.

When you first log on, go to (Y)our Settings and choose an upload protocol (The SysOp recommends ZModem, although any protocol will work). The BSSS Upload Area, from the (F)iles Menu, is now Area 35. You can send files in any format, because you aren't restricted to the ASCII character set as you generally are when you use packet. If you have any doubts if we will be able to read your file(s), send your file(s) in ASCII.

Only one or two participating clubs are using this method, even though it is a time and work saver for all of us. It would be great to see more info flow to us this way. This is the electronic era, isn't it?

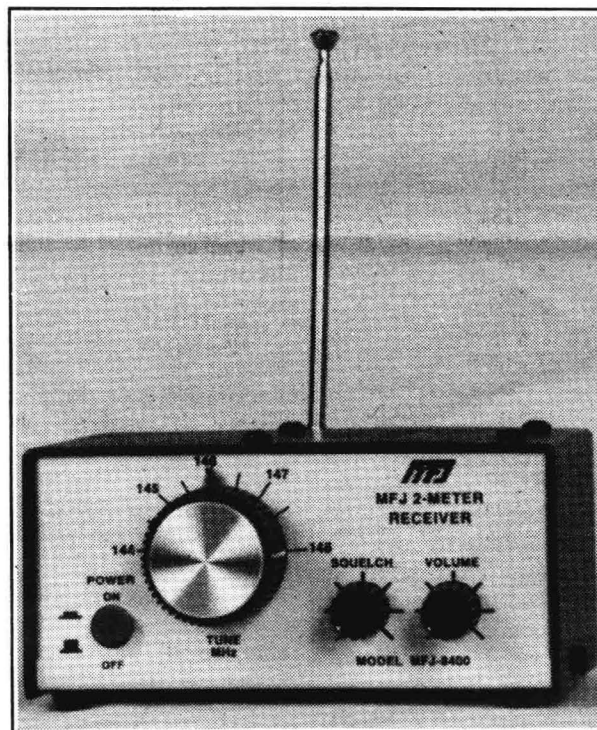
We thank RF Deck SysOp Steve Schulze, N9UDO, for setting up the file areas for us. Remember that you will *not* see or have access to the BSSS Download Area on the File Area menu. That does not mean it's not there!

You can also leave messages in the message folder (area) for us. We try to log on at least once a day, and usually twice. After you get used to it, it's an easy board to use.

Jim Romelfanger, K9ZZ, Editor

NEW PRODUCTS

MFJ-8400K 2-METER REPEATER MONITOR RECEIVER KIT



Are you the true ham hobbyist? True hobbyists will love this new MFJ-8400K Repeater Monitor Receiver Kit, because it will put the fun back into the hobby with build-your-own instructions!

Like to tinker with electronics? This is the receiver/repeater monitor for you. You'll enjoy a fun evening building this high quality tunable 2-meter receiver kit, and you will have a super sensitive repeater monitor that'll rival other receivers costing hundreds of dollars more.

The MFJ-8400K will make an excellent second receiver for your kitchen or bedroom so that you can keep up with what is going on. This is the perfect model for monitoring packet.

For the low, low price of \$69.95, you get an amazing amount of quality features with your purchase of the MFJ-8400K. A low noise, high gain RF preamp gives you excellent 0.1 microvolt sensitivity - it'll let you hear weak signals loud and clear!

An air variable tuning capacitor with a velvet smooth 6:1 reduction drive makes tuning easy and comfortable with no noticeable drift.

A dual conversion superhet receiver with sharp ceramic filters and crystal controlled second oscillator gives you excellent selectivity and stability.

The MFJ-8400K comes with the exclusive TailFree squelch which eliminates annoying

squelch tails. A shaped audio response reduces background noise on weak signals. A 19-inch 1/4 wave whip antenna is included. A 50Ω antenna input lets you plug in an external ground plane or yagi so you can reach out and pull in outlying repeaters.

The MFJ-8400K has tune, squelch and volume controls, built-in speaker, high quality components with glass epoxy PC board and attractive all metal cabinet. The MFJ-8400K has an excellent step-by-step instruction booklet, which includes directions for aligning your receiver without instruments.

The MFJ-8400K uses a 9-volt battery, 9-12 VDC, or 110 VAC with optional MFJ-1312B, \$12.95.

MFJ-8400W is the same as 8400K, but is wired and tested for only \$89.95. It also has MFJ's famous "No Matter What" one year unconditional guarantee. For more details, the instruction manual is available free of charge.

For more information, or to order, contact any MFJ dealer, or MFJ Enterprises, Inc., P.O. Box 494, Mississippi State, MS 39762, or call (601) 323-5869, FAX (601) 323-6551, or order toll-free at (800) 647-1800.

- MFJ news release

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PARTICIPATING Clubs and Organizations

Eau Claire Amateur Radio Club

J Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

MEETING MINUTES SEPTEMBER 13, 1994

The meeting was called to order at 7:36 p.m. by Vice President Bert Spangler (W9ZZI), with President Kevin Zehr (N9OHE) relieving him upon his arrival.

The minutes were read as published in the *Badger State Smoke Signals* and were approved.

The treasurer's report was given by Sue Eide (KB9EUP).

Members and guests were introduced.

OLD BUSINESS

Fred Boettcher (WU9R) reports the new repeater is here, and is in the process of being programmed and should be installed in approximately 2 weeks. The controller from the 91 (K9UXP) repeater will be moved to the 24 repeater, which will improve the autopatch on the 24 repeater.

The problem with the "hum" on the 91 repeater hasn't been present in the last week. The module was replaced on a tower, which was the possible cause.

A fox hunt was held on August 20th, and was won by Craig Barnes (N9NCW) and Jamie. The fox was found at the Rod and Gun Club in Eau Claire. 4 groups participated in the hunt.

There hasn't been any further problems with *Newsline* terminating early since last reported.

NEW BUSINESS

Kevin Zehr (N9OHE) reported there

MEETING MINUTES OCTOBER 11, 1994

The meeting was called to order at 7:32 p.m. by president Kevin Zehr (N9OHE) with 45 members and guests present. The minutes of the September meeting were read and approved. N9OHE will take minutes tonight in the absence of the secretary. Thanks to Carol Ceraso (N9TUA) for taking the minutes of the last meeting. The treasurer's report was read by Sue Eide (KB9EUP).

ANNOUNCEMENTS

New style 610 forms are available at the front table for address or name changes, as are amateur radio license plate applications.

President Kevin Zehr will not be at the next two meetings due to continuing education for firefighters. The meetings will be conducted by vice-president Burt Spangler (W9ZZI).

Bruce (N9YJJ) has a listing of Wisconsin/Minnesota repeaters he has compiled. This is available to interested parties for the cost of photocopying.

OLD BUSINESS

The generator in the club trailer is now operational. The problem was in the fuel tank and supply line. The club's other generator has been located and found to be in need of repair. President Kevin Zehr will pick it up when it is needed to be moved to appropriate location for club repair and use.

The new 146.31/.91 repeater controller will be on line tonight. A user command help list was handed out with the notation that autopatch access is 501 instead of the current "**". Autodial for club members and emergency are also different (i.e.: Eau Claire 911 is now accessed by 819).

was a fire in the building where the Hamfest was held this year. Members who volunteered to look for a larger location for the next hamfest are in the process of doing so at this time.

A new trustee is needed for the 24 repeater when the controller is changed. Volunteers are requested to submit their names to the Board of Directors.

Don Alm (K9UXP) reported there's a problem with a repeater user calling the Communication Center. A motion was made to send a letter to the user stating the guidelines on the use of the autopatch. A discussion followed and the motion was approved.

Club members took the generator to the tornado site at Foster and the generator defaulted after 5 minutes of use. A discussion followed and it was suggested a committee be formed to test the generator every 2 months. Chuck Steuding (KA9GTF) offered to contact Jim Fitzl (N9LIJ) and they will test the generator and repair it.

The question was brought up regarding a club librarian or person to contact for books, etc., for club users to obtain information for their personal use. Discussion will follow at a later meeting.

The next date for license testing will be on October 22, 1994 at St. Olaf's Church, 9:00 a.m. - 11:30 a.m.

Lunch Committee for the next meeting will be W9NW and N9TUA.

The meeting was adjourned at 8:30 p.m.

*Respectfully submitted:
Carol Ceraso, N9TUA*

The next foxhunt, tentatively set for October 29, will be held at a later date due to the Twin Cities' hamfest.

The date for the hamfest needs to be finalized. If the club wishes to use the fairgrounds in Chippewa Falls again in 1995, July 22 looks good for a date.

No trustee has been named for the 147.84/.24 repeater as yet. Interested hams may contact the board of directors; Carl Searing (W9NW), Joe Eide (KB9R), or Dan Perkins (N9HME). The new trustee will take office when the new controller on the .91 is operating smoothly and the ACC controller is fitted to the .24 machine.

The club library has been located and is here at the meeting. Jack Brenner (N9UXH) will be the club librarian and take the library home and inventory its contents.

Reminder of the club license testing on October 22, 1994 at 9:00 a.m. at St. Olaf's Church School on North Lane. For those who miss this session, there will be one in Menomonie on November 5.

NEW BUSINESS

Quarterly SAM update bill for the club's SAM progress has come. Members approved purchasing this.

The Christmas party will be held December 13 at the Parks and Recreation Building.

A nominating committee, Fred Boettcher (WU9R) and Kevin Zehr will be contacting members regarding a slate of officer candidates for 1995. Those wishing to run for office or having nominations may contact either Fred or Kevin.

Lunch committee for next meeting is Burt Spangler and Dan Perkins.

Meeting adjourned at 8:22 p.m.

*Respectfully submitted:
Kevin Zehr (N9OHE)*

Wisconsin Valley Radio Association

Dee Duckett, N9SDM, Secretary

P.O. Box 363 • Wausau, WI 54402

Six Meter Repeater: 51.74 Input/51.24 Output

W.V.R.A. SEPTMBER MEETING

The regular monthly meeting of the W.V.R.A. was called to order at 7:35 p.m. by the President Mike Wild, KB9DED.

Mike N9IAB, treasurer, gave the treasurer's report. N9SDN made a motion to accept the treasurer's report, seconded by N9NQN, and passed by the membership.

Dee, N9SDM, secretary, read the minutes to the August meeting. Motion to accept the minutes was made by N9QWR, seconded by KB9DZG, passed by the membership.

Since there were several new faces, all attending members rose as they said their names/calls. The following attended the meeting: N9SDI, N9LIA, N9NQ, N9NRA, N9PHC, N9NQ, N9MIX, N9NQK, AA9BP, KB9DED, N9OVX, N9XVK, KB9DZG, KB9FRB, N9QWR, N9NQL, K9BX, N9FOL, N9KJK, N9NQ, N9NQY, N9QAI, N9NQH, KB9CKR, N9NRC, N9CWN, N9NQW, N9OWD, N9UAG, KA9PML, N9SDN, N9SDM, N9IAB.

The W.V.R.A. Tailgate Hamfest and Flea Market on October 9 at the NTC Parking Lot was discussed. President KB9DED asked all members to donate some time to this project. N9SDM circulated a sign up sheet.

The survey about putting PL on the 64 repeater was discussed. KB9DED reminded everyone to please return their surveys, no signatures needed. All surveys turned in now will go to the board for further review. The membership will be updated on results at the next regular monthly meeting.

Tax Exempt Status: N9IAB and KA9HQE still need to gather the financial reports necessary. All members were reminded to please list as many past,

present and future club activities as they can think of and to turn the list into any board member.

Weather and CPR/First Aid Classes are still in the planning stages by KB9DED.

KA9PML said Rich, KC9NW, asked him to relay a message to the club about the up-coming disaster training session coming up September 24 at the Wausau Airport. The EOC would like to set up a packet station for this exercise. N9QWR has a totally portable packet station, so he volunteered to help.

Boy Scouts Jamboree in October: This year it is not at the Camp Phillips site, but in Bloomville, WI. N9LIA is going to be going to the next scout meeting; would like to know if the club is interested in setting up a station at the camporee site. Several members expressed interest in helping.

KB9DED indicated that at the Sugar Camp Hamfest he had talked to Dee's Tees about attending the W.V.R.A. Tailgate Hamfest and Flea Market. He will contact her.

Copies of the By-Laws were handed out to each member prior to the meeting starting so they could be looked at. N9LIA questioned the "quorum" in Article V Amendments. There was also discussion about "quorum" in Article II Section 4 paragraph c and Article IV Section 8. The board explained that each quorum was different, one was membership, one was the Board of Directors, and one was for amending the By-Laws. The By-Laws vote was tabled till the next regular monthly meeting.

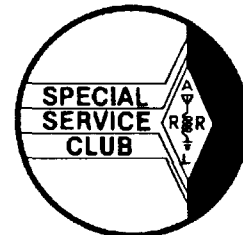
At 8:18 p.m., the meeting was adjourned. Motion made by N9LIA, seconded by N9SDM, passed by the membership.

Tony, WB9LAI, gave a demonstration on Satellite Communications. □

Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

MEETING MINUTES OCTOBER 12, 1994

Before the start of the meeting, Kuby, N6JSX, held a transmitter hunt. The starting time was 6 p.m., with the transmitter being hidden within a half mile radius of the meeting site. Ending time for the hunt was set at 7:30 p.m. (starting time for the monthly club meeting). The winners were Ron, WS9X, and Janice, N9IQZ. Overall, everyone who participated in the transmitter hunt had a great time. Many of the participants showed a great deal of interest in the miniature yagi that Ron used on his HT, to help direction find the transmitter.

The meeting was called to order at 7:35 p.m.. Secretary Eric, WD9IAB, read the minutes for the September meeting, that were printed in the *Smoke Signals*. Treasurer Janice, N9IQZ, also read the

treasurer's report. Both readings were approved as read.

Red, N9GHE, then told the club about the sale of the club's communications truck (the buyer plans to use the truck for a mobile hunting shack).

John, WB9ESM, also talked about the club's upcoming participation in the Scout's Jamboree-on-the-Air (postscript: it was very successful. John's home station was used. Over a dozen to a dozen and a half Cub Scouts made contact with over twenty stations [90 percent of the stations had scouts] during Saturday, October 15, and Sunday, October 16. Everybody had fun talking to other scouts, and former scouts around the country).

Kuby, N6JSX, also talked about September's transmitter hunt. He also in-

Please turn to page 13

Wisconsin Nets Association Ltd.

WNA MEETING
WAUPACA, WI
September 17, 1994

Chairman Larry Guthu, WB9ICH, called the meeting to order at 1:02 pm, September 17, 1994. The following members and guests were present:

KA9KLZ, WB9ICH, KE9VU, N9VPZ, W9IEM, WB9YPY, K9FHI, KA9FVX, W9AYK, KA9BAE, K9DHR, WB9NRK, W9UDX, WD9DLR and N9TO.

Chairman WB9ICH called for the approval of the minutes as published in BSSS. KE9VU called for a correction in the BEN report, checkins were 20 per session instead of 40. The Chairman called for the approval of the minutes as amended. A motion was made and seconded to approve the minutes. Motion carried.

TREASURER'S REPORT: WNA Treasurer Jim Merrill, W9AYK, submitted the following report:

WNA LTD TREASURERS REPORT September 16, 1994

INCOME	EXPENSE	BALANCE
June 10, 1994		\$57.55
June 15 - Boosters W9NGT, W9IHW, WB9YPY, N9BDL @ \$4.00	16.00	73.55
July 7 - City of Waupaca, Park fee and deposit	50.00	23.55
July 15 - KA9KLZ, Secy expense	11.79	11.76
Aug. 31 - BSSS renewal, K9GU	9.50	21.26
Sep. 16 - BSSS K9GU	6.40	14.86
September 16, 1994 Balance on hand		\$14.86

Submitted: Jim Merrill, W9AYK,
WNA Treasurer

After some discussion about park fees for the picnic, a motion was made and seconded (WB9YPY/K9FHI) to approve the treasurer's report. Motion carried.

OLD BUSINESS

There was discussion on ways to distribute the WNA manual. The WNA will strive to pass around copies of the manual on disk as much as possible. W9YCV, KA9KLZ, and K9LGU have the manual on disk and will send copies to anyone who wants a copy. N9VPZ, Dave Cooley said he could get the manual printed for about \$2.00 per copy. A motion was made and seconded (W9IEM/WB9ICH) to have 5 copies made up. Motion carried.

There was discussion on ways to cut picnic costs and increase WNA Booster membership. It was suggested that the WNA picnic and meeting be held in conjunction with the Weather Net picnic on Aug. 19, 1995.

NEW BUSINESS

After being discussed during old business, a motion was made and seconded (W9AYK/KA9KLZ) to hold the WNA picnic and meeting in conjunction with the Weather Net picnic in Shawano next year. The date would be August 19, 1995. Motion carried.

ARRL OFFICIAL AND NET MANAGER REPORTS

SECTION MANAGER (SM) -- SM Rich Regent, K9GDF was not present.

SECTION TRAFFIC MANAGER (STM) -- STM Don Stenz, K9KSA was not present.

SECTION EMERGENCY COORDINATOR (SEC) -- SEC John Leekley Jr., WB9SMM was not present.

WEATHER NET (BWN) -- Net Manager Jim Merrill, W9AYK, reported that checkins are averaging 58 per day so

far this month and traffic running 50-75 pieces. Propagation, as we continue down this sunspot cycle, is interesting. The band has been opening later and later each day. Friday (9/16/94) it opened at 6:54. Until then it is pretty hard to copy most stations. They're patient though and wait until things open up. AA0OM relayed for us. When the band opens we have to go pretty fast to finish by 7:15.

Compare this with a typical June opening of 5:30 or so CDT. We are a month and a half away from the time change back to standard time, so it's probably going to be tough sledding for a while.

I went fishing with WA9OAY early one morning July 21. And wouldn't you know it, Murphy struck at YPY's QTH. He lost power. I guess that got kind of exciting for a while. When you hire cheap help, that happens. I should have stayed home. Bill caught all of the fish anyway.

BADGER EMERGENCY NET (BEN) -- Net Manager Wayne Schanke, KE9VU, reported that the BEN is averaging about 20 checkins and 4/5 pieces of traffic a day. Conditions are pretty good at noon now. K9DHR is doing 9RN rep most of the time and needs help. N9KHD has been bringing traffic from Late WIN regularly. The BEN needs a NCS for Saturdays.

WISCONSIN SIDEBAND NET (WSSN) -- Net Manager Gene Santowski, K9UTQ, was not present. Roy, K9FHI, Net delegate, reported that the net was going quite well and all NCS slots were filled. Fergie, W9IEM, suggested that the NCSs strive to pass the formal traffic before the IFs and second goes.

WISCONSIN NOVICE NET (WNN) -- Net Manager Adrian Apple, KA9FVX, reported that the Novice Net needs some Novices. Adrian said that almost no Novices have been checking into the net. There was some discussion on perhaps a name change and/or a frequency change to increase participation in the Novice Net.

WISCONSIN SLOW SPEED NET (WSSN) -- Net Manager Lee Andreas, N9BDL, was not present, and no WSSN delegates were present.

WISCONSIN INTERSTATE NET/EARLY (WIN/E) -- Net Manager Larry Guthu, WB9ICH, reported that the net was doing OK. Thanks to Lee, N9BDL, who has been keeping the net running while Larry is working night shift. Larry said that a Friday night NCS is needed, and 9RN reps are needed.

WISCONSIN INTERSTATE NET/LATE (WIN/L) -- Net Manager Ed Rice, W9NGP, reported that the net was going fine. All NCS and 9RN slots are filled.

NORTH WOODS TRAFFIC NET (NWTN) -- Net Manager Mary Berger, NS9Q, was not present. Jim, WB9YPY, reported that the net was doing fine and that checkins are about the same. Everything is going smooth.

DAYTIME 9TH REGION NET -- Net Manager Adrian Van Der Burgt, K9DHR, thanked the Wisconsin stations who participated in daytime 9RN. Ade reported that Wisconsin had the top participation for August, 71%. Kentucky had 69%, and Indiana had 56%. 9RN reps are needed from Wisconsin, and help is needed in general on the 9RN nets. Ade also stated that he wanted to change the time of the 9RN early net from 12:45 pm to 12:30 pm.

ELECTION OF OFFICERS -- The office of Chairman and Treasurer are up for election. Wayne, KE9VU, was nominated for Chairman, and Fred, W9KKM, was nominated for Treasurer. Nominations were closed and the nominees were elected by acclamation. Congrats to Wayne and Fred.

With no further business at hand, the Chairman called for a motion to adjourn. A motion was made and seconded (KE9VU/WB9ICH) to adjourn. Motion carried and the meeting was adjourned at 2:32 p.m., September 17, 1994.

Respectfully Submitted:
Art Evans, KA9KLZ, WNA Secy.

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, November 3rd at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+ 600 kHz) or 146.52 MHz simplex.

EXCERPTS FROM MINUTES OF OCTOBER 6, 1994 MEETING

Meeting was called to order by President N9GEN. Present were N9GEN, KB9BLV, N9GHZ, AA9LE, W9QHI and N9UBR.

The reading of the minutes of the September 1, 1994 meeting were dispensed with. Treasurer's report was presented by Treasurer WA9YCT. Dues were paid to Wis. Assn. of Repeaters for 1994 membership. The bill for service work done as a result of the recent lightning damage to the repeater will be covered under the county's insurance policy.

It was mentioned that the buzzing noise is still being heard on the repeater.

N9GHZ reported that the antenna for the Black River Wireless Association's repeater at Loyal, Wis. has been delivered to them.

ARES Emergency Coordinator N9GHZ reported that the final draft version of the 1994 Directory of Clark and Taylor County Area Amateur Radio Operators had been recently mailed out to all those included in the directory. He also recently took delivery on two dozen new monogrammed orange vests and will be distributing them to new area hams/ARES members in the near future.

Meeting was adjourned.

CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net, held Wednesdays at

8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequencies, in order, are 147.15 MHz simplex and 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

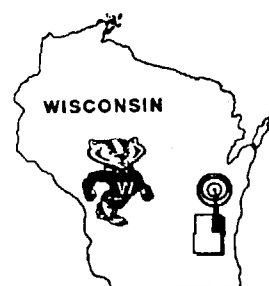
On Sunday, 9/25/94, Amateur Radio communications were provided for the annual Buzzard Buster mountain bike held in southern Clark County. There were 280 bicyclists taking part. There were some minor scrapes and bruises but thankfully, no medical emergencies. Hams participating from Clark County ARES included N9TJY, N9VZG, N9UWY and N9RRF. Hams participating from Marshfield Area Amateur Radio Society included W9FYP, WB0KIN, KA5NJA and N9JZT.

On 9/26/94, N9GHZ attended a hazardous materials simulated functional exercise being conducted by the Taylor County Office of Emergency Government/Taylor County Local Emergency Planning Committee, as a representative of Taylor County Amateur Radio Emergency Service. It was held at the Stetsonville Volunteer Fire Dept. fire hall and involved a simulated 150 pound accidental spill of chlorine at the Stetsonville Wastewater Treatment Plant. A tour of the plant was included.

The exercise was attended by individuals from the area fire depts., sheriff's dept. and other county agencies, and Red Cross officials. N9GHZ had an opportunity to speak briefly with the assembled group to explain the ARES and its capabilities and was also able to show the radio equipment on board the Taylor County emergency command post bus.

On 9/27/94, N9GHZ attended a meeting conducted by the Clark County Office of Emergency Government as a representative of Clark County Amateur Radio Emergency Service. The purpose of the meeting was to further develop and refine a table-top emergency response/disaster exercise for Clark County. It was held at the Greenwood Volunteer Fire Dept. fire hall.

The meeting was attended by individuals from the area fire and police depts. and EMS services, sheriff's dept. and other county agencies. N9GHZ had an opportunity to speak briefly with the assembled group to explain the ARES and its capabilities. The actual table-top exercise will be conducted on the evening of 10/18/94 at the Greenwood Fire Hall. □



Washington County Amateur Radio Club

David Parkinson, KA9RNU,
Secretary/Treasurer
708 Robin Street
West Bend, WI 53095



MEETING MINUTES OCTOBER 13, 1994

The meeting of the Washington County Amateur Radio Club was called to order at 7:30 p.m. by our President, Mike, N9NBN. There were 19 members and 3 guests present.

The minutes were read by Dave, KA9RNU, our Secretary-Treasurer. A motion to approve the minutes was made by Don, K9GR, and seconded by Bob, AA9EF. The motion was approved.

The treasurer's report was also read by KA9RNU. A motion to approve the treasurer's report was made by Sherm, W9NGT, and seconded by Keith, KY9P. The motion was approved.

OLD BUSINESS

Tom, N9LZW, encouraged members of club to participate in SET exercise scheduled for October 15th from 3:00 to 9:00 p.m. continuously. They are required to register tonight to participate. He briefed the members what to prepare (i.e.

maps, message handling), what to expect (travelling to townhalls, etc.), and what to do.

Don, K9GR, reported on the repeater committee. Last weekend our engineering crew was at the site welding the feet onto the tower and welding a base. Sherm, W9NGT, has almost completed much of the paper work and red tape necessary to obtain a building permit from the Town of Addison. Tom, N9LZW, will coordinate the manpower for excavating a hole for the foundation. Don, K9GR, also asked if anyone owns a vehicle capable of transporting a 30 foot aluminum mast to the repeater site.

Larry, WB9BVB, reported on the breakfast schedule which can be found in his mailbox on packet. He found some of the dates in the *Badger State Smoke Signals* were wrong. (KA9RNU apologized for it).

Mike, N9NBN, brought up for discussion of our club organizing a swapfest. No volunteers came forward and further dis-

Continued on page 12

ATTENTION BUSINESS CARD ADVERTISERS

Business card ads in BSSS are due for renewal now, per the notice you were sent in September. Your renewal will be appreciated. Please include any updates needed when you send your renewal form and your check.

Washington County Amateur Radio Club

Continued from page 11

cussion will be made in the future.

NEW BUSINESS

Dave, KA9RNU, reported and encouraged the members to join WAPR. Forms were passed around to the membership.

Don, K9GR, opened with discussion on WSLG is going away. The club may consider placing a node up on our future tower. A benefit of a club-owned node would guarantee its future existence. Equipment was also discussed.

Walt, N9LLS, asked for a show of hands of those who would volunteer for the Hartford Christmas Parade on November 12th. Those participating would be required to meet at 1:30 at the school parking lot. Those who volunteered by a show of hands were WD9BCV, WB9BVB, N9LZW, WD9GGA, and N9NBN.

Gary, W9XT, announce the hamfest of

Kettle Moraine Radio Amateur Club at Oct. 23rd, and Jeananne, N9VSV, announce the Friendly Fest on Nov. 5th. Flyers were passed around to the members. Also, club rosters and club program schedules were distributed.

Mike, N9NBN, announced the subscription of the *Smoke Signals* will increase beginning, and this would raise our membership dues.

Paul, N9KIK, our Program Director, announced the next meeting's program will be "Weatherfax Reports" by Dave Geschke, AA9HL.

A motion to adjourn the meeting was made by Paul, N9KIK, and seconded by Bob, AA9EF. The motion was carried.

The program was conducted by Gary, N9UUR, who spoke to us on "Space Communications" with multi-media aids---a well-presented and informative program.

Saturday 10:00 a.m. Breakfast Schedule for November

Nov 5:	Fay's, West Bend
Nov 12:	Jimmy's, Jackson
Nov 19:	Around the Lakes 2, Hartford
Nov 26:	Slinger Inn, Slinger

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

RACINE MEGACYCLE CLUB MEETING • OCTOBER 10, 1994

The meeting was called to order at 7:30 p.m. by Vice President Paul, N9RGW, who took over, since President Gary, N9MGH, was not present.

Everyone was asked to introduce him/herself with first name and call sign. There were 26 hams present, including several unlicensed future hams. The minutes from the last meeting were read by Club Secretary Arne, KA9ZPY, since the BSSS had not been received by anyone.

Treasurer Dave, AA9HL, read the financial statement of the club's money.

OLD BUSINESS

Bob, W0WLN, gave a report on the jacket situation. There seems to be no end to the problems and excuses by the vendor.

We are now even promised money back for any further delays. Will we see any money, I wonder?

Dave, AA9HL, gave a report on the reservations for the trolley ride in December. There is only one (1) ticket left, which is an encouragement for the organizers. Maybe we forgot the driver.

Larry, WA9JMO, gave a report on the ham classes. There are 33 persons in the Novice Class, and about 12 in the other classes like General and CW. Larry said he has gotten plenty of help from several Hams who have assisted in teaching and bringing radio equipment. He has ordered plenty of free material from the ARRL and other sources. Last Tuesday in October, the Ham class will meet at the Red Cross for a look at the repeater located there and the radio station. There may also be a working packet station. VP Paul, N9RGW, thanked Larry for his efforts getting the Ham classes going and everyone applauded. Larry also talked about a display on ham radio, which will be shown at Gateway, and run for two weeks.

Larry, WA9JMO, gave a report on the upcoming ham banquet next March. It has been changed to take place at Ensenadas on Washington Avenue, instead of the Racine Yacht Club, which is now too small for all hams. At Ensenadas, we can easily double the capacity and we may just do that. The program will be approximately like last year. Larry asked for a few more volunteers. In addition to the hams already involved, Don, KB9HAM; Paul, N9RGW; and Bridget, N9XGX, will help.

NEW BUSINESS

Dan, KA9OIL, reported on next year's Field Day. We will look at the equipment again and consider replacing the Swan and get an antenna tuner. The cost is approxi-

mately 500 dollars. We will try to have a schedule with commitments from hams to man the station all 24 hours. We may even have a satellite station, thanks to Al, WB9CKQ. Location same as last year.

Dave, AA9HL, talked about an offer from *Worldradio*. I think it said that they will give us eight subscriptions if the club signs up for a year.

Dan, KA9OIL, reported on the upcoming Hidden Transmitter (Fox) Hunt. The leaders as of 9-24 are Bonnie, WB9ZKX, and David, WB9USI. In second place are Joe, KB9HSJ, and Rob, N9QXM. In third place are Cheryl, WS9P, and Gene, WB9ZKY. Only licensed hams are listed.

Lee, N9VNU, asked for help putting up his antenna the following Saturday and, hopefully, he will have all the help he needs. (P.S. Undersigned can report that Lee now has his antenna mounted on his garage. All he needs now is a transmitter and some coax! Dan, KA9OIL, promised to help with the coax.)

Bruce, K9RRS, gave a report on the packet. WD9NET is retiring, and going off the air, and there will be a hole which will affect the links heading north. Bruce also suggested we look into the idea of setting up a packet station at Red Cross. A committee, including Bruce; Dan, KA9OIL; and others, will look into this idea and bring their suggestions back to the club.

Paul, N9RGW, reported on the latest sad news. Ole Fox, K9AKG, became a

OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point

WATTS SNOO

AMATEUR RADIO
CWRA

WB9QFW 2-Meter Repeater 146.07-67 and Club Station

P. O. Box 923 • Plover, WI 54467

MEETING MINUTES OCTOBER 12, 1994

President Lori Jasper, KA9ZGD, called the meeting to order at 7:30 p.m. She had everyone in the room give their name, call, how many years they have been an Amateur, and what their main interest in Ham Radio was so that club members interests could be better served. She shared some ideas she had to help enhance our meetings and get more club members involved in activities.

The minutes from the last meeting were read and approved. Treasurer's Report was listed on the chalkboard for the members to review and was approved. Ron Howe, NJ9H, reported on the repeaters. He reported that he will order the voice board and it should take about a week to arrive, and then he will get that installed.

He is still receiving reports of interference. Mike Pagel, KA9LAQ, said that the paging system that has been interfering with 67 from time to time seems to hang up once someone else opens it up. He said that Joe Larson, N9JW, thought he had the call letters of the paging service copied down in CW. Mike called the FCC and it is not a valid call. He said that someone could set up a voice recorder and set it next to their scanner. If we could get some of that recorded, we could take it to the people in the commercial radio business and find out which client it is and get the problem resolved.

Ray Dix, KF9BG, said the Marshfield Hospital's pager tore up his scanner when he was in Marshfield. He said it didn't matter what frequency he was on, ham or otherwise, it still interfered with whatever channel it was on. Debbie Kroll, N9EIL, said where she picks up it up the best was on 163.250. Mike, said that we should program that number into several scanners and see what happens.

Art Wysocki, N9BCA, reported he is continually working on the Swapfest for next year. Lori said that since she now has presidential duties to attend to, she would rather not take the raffle. She said that the raffle is completely set up. All the contacts are established and all they would have to do is put in the hours of paperwork required. She said if no one volunteered she would call people and ask for help. No one volunteered, so guess what, you may be getting a call!

Mike Pagel, KA9LAQ, reported that it would cost about \$500 to purchase a new 386 computer for the Club Station, packet station. He said that one could be found for less than that at a swapfest. He said that we had to make the decision of whether or not we wanted go new or used. The only advantage of going new versus used would be that we get a warranty with a new machine. He said a new one is would go through existing records quicker and increase response times. During contests, when it gets a great deal of use, they are afraid it's going to lock up because the thing gets bogged down. Lori brought up the point that we worked so hard to get a packet set up so that we can get throughout the whole state, it is important that we have good equipment. It was voted to approve the purchase of a new computer for the packet station, but not to exceed the amount of \$500.

Mike Pagel, KA9LAQ, reported that

he and Scott Jasper, NE9U, attended a Hazardous Materials Emergency Simulation, where there was a simulated gas leak. He said that they involved them by having them go door to door and wake people up and evacuate them. He said without an identification card, we could not be identified. He said that there is suppose to be a document on file that tell about our duties and how we can help in different types of situations like this one. Lori said the people that are on the EC list should get together and discuss this. Lori asked Mary to start a sign up sheet for who would be interested in taking part in the HAZMAT organization and the hours they could work, whether they could go at a moment's notice and whenever they are available. She said that she would get a hold of Rick Miller, N19P, and have him set up a meeting with the EC's and assistant EC's.

Scott Jasper, NE9U, reported that the last fox hunt went well and that he is planning another one for the first or second weekend in December. He said that if that one goes over well that they were planning on having another one before they have the big one at our next swapfest in June. He said someone suggested that we have an incentive for people to participate such as a prize for the fox hunt winner. He said he will pick a day and announce it later. He also reported on the upcoming banquet. He asked if people would prefer having it on a Wednesday or Saturday. It was voted that we would continue to have it on Wednesday. Mary Eiden, KA9FAS, said that if you have it on weekend, you begin to conflict with events, such as weddings. A banquet location has not been selected as of yet.

Congratulations to Steve Kochanowski, KB9IIE, for being selected as one of 40 representatives from North America on children's issues. The group that put this on was Children of the Earth.

Lori Jasper said she would like to see us get some more Publication Relations material out there so people could find out more about our group. Mary Eiden, KA9FAS, agreed to take this on and will talk to John Feltz, WA9LWJ, who has been doing this in the past, about this.

ATTENDANCE

Lori Jasper	KA9ZGD
Ray Dix	KF9BG
Joann Dix	N9NOG
Deb Kroll	N9EIL
Gene Kroll	KE9MA
Mike Eiden	WD9JID
Frank Podach	N9JQR
Dave Tamres	KB9IIF
Brett Sprtel	N9Yaq
Joe Omerik	N9CGV
Steve Kochanowski	KB9IIE
Frank Guth	W9BCC
Mike Pagel	KA9LAQ
Scott Jasper	NE9U
Ron Howe	N9JW
Art Wysocki	N9BCA
Doc Rifleman	WA9N
Bob Baird	W9NN
John Kalina	KA9DJA
Al Mallek	N9WBS
Mary Eiden	KA9FAS

Respectfully Submitted:
Mary Eiden, KA9FAS
CWRA Secretary

Silent Key recently. He was a member of the RMC for many years, and will be missed at the Saturday breakfast he regularly attended. Paul asked for a moment of silence in memory of Ole.

The meeting was adjourned at 8:30 p.m.

The famous Goodie Box was given to our Russian contact man and globetrotter, Larry, WA9JMO. Maybe he will bring it with him next time all the way to Irkutsk, Siberia. It may be worth a fortune over

there, unless the pilot declares it as being too heavy and it may end up in an airport dumpster!

As usual, a good number of hams met afterwards at the popular restaurant.

Sincerely submitted:
Arne, KA9ZPY, Club Secretary

Thanks for reading BSSS!

ManCoRad Radio Club

Continued from page 10

formed the club about the present situation with the revival of Manitowoc Lincoln High School's ham station (gear is needed, and the club should decide whether or not it wants to loan radios to the high school, Clancy, KB9ECW, and Willy, W9TQV, will help Kuby with determining what can be loaned), and that the repeater committee is still formulating its suggestions about any future upgrades to the club's repeater.

NEW BUSINESS

Membership was approved for Cheryl, N9XEX; Jim, N9XEQ; and Bill, N9XEZ. Welcome to the club!

On December 7, Steve, N9PBL, will give a talk about ham radio (and its potential emergency uses) to Manitowoc County volunteer fire fighters at the Two Creeks town hall. Anybody interested in helping him with the talk should contact him.

Ron, WS9X, demonstrated the club repeater's new reverse autopatch capabilities. This is a very useful method for non-ham family members of club members, to get in touch with them. But, it should really only be used, for emergency, or important traffic, not for instance, to give somebody a grocery list over the repeater.

The club also discussed the possibility of installing a PL board on the repeater, for interference prevention purposes. This matter will be examined further before any action is taken on it.

Ed Gauthier, N9QIM, was introduced to the club. He is a former Manitowoc resident who is visiting the area, after spending time working on ocean research ships. George, N9BCX, mentioned that a group of Manitowoc and Sheboygan hams have started to get together on one Saturday of each month, for breakfast and socialization in Cleveland. The next one is at 8 a.m. on November 12. Everybody is welcome to attend. For more information, contact George.

Elections were then held for club officers. After voting was finished, winners were declared for the positions of President, Treasurer, Secretary, and Board Members. The position for Vice President is still open due to a job conflict that will prevent the winner of the election from assuming the position. Another election (per constitutional bylaws) will be held at either the November, or December club

meetings.

President - Barney, N9XER
Treasurer - Glenn, KF9VB
Secretary - Eric, WD9IAB
Board Members - Clancy, KB9ECW;
Yogi, WN9Q; and Ron, WS9X

The meeting ended at 9:30 p.m. Three things need to be mentioned before closing up these minutes:

First, another transmitter hunt will be held before the November club meeting, at 6 p.m.;

Second, all club members are asked to please arrive no earlier than 7:20 p.m. for the meetings (the bank where we hold the meetings doesn't want people to show up more than ten minutes early), and,

Last, dues need to be paid at the November meeting (student - \$10, single - \$20, family - \$30).

Well, that's all until next month. Until then, 73.

See you down the log,

Eric Rugowski, WD9IAB
Club Secretary for MANCORAD

Meeting Attendees - October 12, 1994

Mary	KB9GOY
George	N9BCX
Sharline	
Terry	N9PZT
Barney	N9XER
Dave	N9UGI
Clancy	KB9ECW
Bill	WD9ERN
Len	N9QFO
Ed (visitor)	N9QIM
Ken	K9HAG
Willie	W9TQV
Charlie	W9GXD
Ken	WB9OBX
Chuck	W9BZU
Jim	N9XCQ
Cheryl	N9XKX
Bob	KB9INK
Red	N9GHE
Dave	N9HNP
Les	WB9MNQ
Chuck	N9WUN
Mike	N9UFZ
Glenn	KF9VB
Dan	N9FVZ
Lyle	WB9VTM
John	WB9ESM
Kuby	N6JSX/9
Bill	N9XEZ
Paul	N9QFX
Bill	K9DUX
Eric	WD9IAB
Ron	WS9X
Janice	N9IQZ

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

Greetings, NWRC members and guests.

The last meeting of NWRC was held in Menomonie on September 27.

ATTENDANCE

W0LUY and wife Delores	
N9PPE	KA9OMC
K9IAG	WB9YMB
KA9PVY	
KF9CU and husband Dave	
KB9AGC	N9RSU
NX9F	

BUSINESS

I (KA9OMC) presented a report on all the summer's activities and a financial statement. Balance on the account was \$97.81.

A signup sheet for volunteers was passed around, and no one volunteered to be elected.

Two tickets for the hamfest on October 29 were drawn, and presented to KB9-AGC, Melvin Stang from Downing, and

N9RSU, Leroy Dick from Eau Claire.

Dave Kraft indicated that he has a fuse box that someone might be in need of. Call Dave at (715) 235-3182.

Flyers on the hamfest, WAPR, and bulletins copied by KF9CU, Arlene, were passed around to the group.

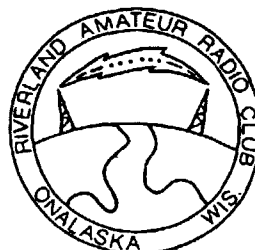
A petition was offered by myself (KA9OMC) and signed by the attendees, disagreeing with the Minnesota Repeater Council's plans to either move present link frequencies on 440 MHz or delete them from 440 MHz to further promote more repeaters on 440 MHz. The petition was sent to our WAR representative, Scott Thompson, WB0WOT, to present to MRC, WAR, and Mid Am councils.

The next meeting of NWRC will be October 25, and the meeting place is the Peppermint Restaurant in the Thunderbird Mall, Menomonie, at 7:30 p.m. The program is the election of officers to represent the club starting November 22.

NWRC Secretary/Treasurer
Steve Hart, KA9OMC

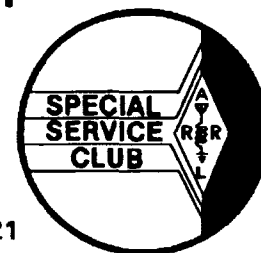
If you are an ARRL member, be sure to cast your vote in the election currently underway for Central Division Director and Vice-Director!

Riverland Amateur Radio Club



Judy Williams, N9LGV
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES OCTOBER 4, 1994

The October meeting of the Riverland Amateur Radio Club was called to order by Feroz, WU9N, at 7:00 p.m. There were 18 members present.

Secretary's Report: Judy, N9LGV, read the minutes of the September meeting. The minutes were approved as read.

Treasurer's Report: Mark, N9UNW was absent, there was no report.

OLD BUSINESS AND COMMITTEE REPORTS

.97 Repeater: Walt, AA9AW, reported that the .97 Repeater antenna had been taken down and most of the parts look to be reusable. The committee will prepare the antenna so it can be relocated on the new tower at the site. A climber to remount the antenna has been secured. The .97 Repeater will be off the air for a while. The Repeater may have a problem with its amplifier. That will be checked.

VEC: Rick, KV9U, has the next exam scheduled for Thursday, October 27th at 7:00 p.m. at the Onalaska Community Center. Those wishing to take the exam should contact Rick as soon as possible to pre-register.

440 Repeater: Dan, N9PZC, is still looking for some connectors. They have secured a climber to the antenna up. There are still Club caps for sale.

Amateur Radio Weekend: Kent, W9LZQ, chairman, was absent. Therefore Feroz, WU9N, Judy, N9LGV, and Nook/Vern, K9EGO, summarized the day as a success. There was good cooperation between the two clubs. The weather balloon to hold the vertical antenna was a great adventure. A thank you was extended to all those who helped out.

Trailer: Bob, N9LZK, reported the

trailer is back to its storage spot. He purchased two storage containers for coax to be kept in the trailer rather than on the antenna trailer.

Net Manager: Mike, N9LXI, will be starting the club net on Sunday, October 9, 1994 at 8:00 p.m. on the 146.76 Repeater. He will be taking check ins, providing information and having a equipment swap. Mike will be meeting with other volunteer net controls to work out a schedule.

Annual Dinner: Feroz, WU9N, is coordinating the dinner. The date is Saturday, January 14, 1995 at Ardies Restaurant to begin at 6:00 p.m. for the happy hour with dinner at 7:00 p.m.

Field Day 1995: Looking for one or two individuals to coordinate this event.

Antenna: Bob, N9LZK, reported that some parts need replacing, he will pick up parts while on a trip.

Swap Fest 1995: Dick, K0JYB, discussed a new location and contract. A motion was made and second to authorized him to sign a contract and make a \$100 deposit of the Onalaska Omni Center for Saturday, August 26, 1995. Motion passed. Dick will contact vendors to see who will come.

NEW BUSINESS

Bob, N0PDD, reported that the Wino-na .64 Repeater has been repaired and should be back in operation soon. He also reported that 70cm machine will also be in operation soon.

Announcement: Walt, AA9AW, will hold the Wednesday evening Newsline on simplex, 146.46.

Adjourn: A motion to adjourn the meeting was made and seconded. The motion passed.

Respectfully Submitted by
Judy, N9LGV, Secretary

Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Radne, WI 53402



Twenty-nine members, spouses and guests enjoyed a wonderful afternoon together as we converged on Kenosha's Harborside Holiday Inn for the Chapter's Annual Meeting. A short business meeting preceded a bountiful buffet that satisfied all our palates. With the meal completed, an election for four of our seven Directors took place. Those elected for a two-year term are Bill Komistra, W9OVZ; Bill Hawes, W9ERG; Al Algiers, W9HR; and Larry McCalvy, WA9JMO. The new electees met with the other three Directors: Fern Fisher, W9LCJ; Ken Knoff, N9NBC, Vice President; and Bob Jensen, W0WLN, Secretary/Treasurer, for the coming year.

The Chapter thanked our outgoing Directors, Ed Konicek, W9NVK; Chuck Knotek, W9GKM; and Bruce Zabler, K9RRS, with a warm round of applause for their services. Ed has served as President for the past six years, and was Chapter 162's second President. Steve Bell-graph, K9ZL, was appointed President when the Chapter was formed, and was elected to the position in 1987 and 1988.

A short program (if you call an hour and a half short) on Larry, WA9JMO, and Wendy, N9PAC, McCalvy's four trips to Russia and several of the former Soviet countries followed the election. Larry spoke on his interaction with the people, the monetary system in place, the wonderful sites encountered, and his ham radio activities in Siberia and Estonia. The talk was augmented with a slide presentation, picture albums, and several items that had been purchased during the trips.

As one can tell from the list of Chapter activities reported in this column, we are a very active organization. We support ham radio in many ways, and have a lot of fun doing so. Like many other groups, our club is always looking for new members. We are looking for members who like to participate in different functions, attend meetings, and enjoy checking into our weekly round table two-meter net. If this criteria fits into your ham life style, and you were licensed at least 25 years ago, Chapter 162 would be most happy to welcome you into our small family if you care to join us. If so, please contact Bob Jensen, W0WLN, 5616 Cambridge Lane #6, Racine, WI 53406 for all the details.

Fern Fisher, W9LCJ, joined the packet user ranks a few weeks back, and enlisted the services of several packet users gurus to help establish her on-the-air station. All failed. Fern, utilizing a little "Yankee ingenuity" and perseverance, got the system operational. So much for the experts!

Congratulations to Terry "Squeeks" Vahovius, N9VKF, XYL of W9VSO (Art) on becoming half a "General." Squeeks recently passed the written portion of the General Class license, and will be working on her 13 WPM code speed as the Snow Birds bask in the land of sunshine this coming winter.

Our ham classes are rolling along nicely; at this writing, we are in the sixth week of the ten-week session. The Code-less Technician class has 33 enrollees, and

Continued on page 9



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT

921 8th Avenue • Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

No material was received from WAPR for this issue. The following are a couple of items picked up off the packet bbs's.

A WAPR membership application/renewal blank is included on this page. Join WAPR and help support the packet radio system in the Badger State.

MORE MURPHY'S PACKET LAWS

LAW #4

The stations with the most raucous sounding packet signals, quite often have the very least to say - corollary: "Empty barrels make the most noise."

LAW #5

The guy with the fastest <ENTER> key usually wins the crowded channel competition - corollary: "Meet me at noon on the BBS, we'll just see who has the fastest <ENTER> key!"

DE Dave, NZ9E @ WB9HMD.IL.USA.NOAM.

USING THE YAESU FT-290R MULTIMODE 2M TRANSCEIVER ON VHF PACKET

If you've experienced problems with your FT-290R being able to RECEIVE packet radio reliably, here's a modification you might want to try. It seems that the 290R's audio shaping circuitry is such that it doesn't always accept packets sent from certain stations. By tapping the audio for feeding your TNC ahead of the audio output circuitry, I've found that much more packet-acceptance-reliability can be achieved in mine.

The modification involves simply bringing the audio output for your TNC directly from the collector of Q1021 (shown as the squelch switch transistor on the block diagram on pg. 24 of the instruction manual) through a lufd., 16V, capacitor (minus on the capacitor toward the TNC). You can remove the wire from the "KEY" jack (if you don't use CW) or from the "STAND-BY" jack (if you don't need the extra PTT input, that was my choice), and use that jack for your new packet audio output line.

Transistor Q1021 is in the right-rear quadrant of the PC board (viewed from the top-front) and can be identified more closely using the photo PC board layout on pg. 34 of the instruction manual. There is a bare (no wires connected) test point stake to the right of the transistor, and that IS the collector, the point you want, so it's easy to tack a wire onto this test point stake and run it to the jack you've chosen. Use shielded wire and ground both ends of the shield.

It's worth the effort, at least it worked out well in my particular 290R, and it's easy enough to do (or to undo for that matter) if you'd like to give it a try. Let me know if it works out for you as well.

DE Dave, NZ9E @ WB9HMD.IL.USA.NOAM.

THE TESTPOINT

(continued from page 4)

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912

27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

RIVER FALLS, WI

Exams are held in the church basement, at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact:

Walter Friant, WBCKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

OSHKOSH, WI

Winnebago County ARC, Oshkosh Armory, 1415 Armory Place. Registration at 8:00 a.m. with testing at 9:00 a.m. Contact AA9BA, (414) 685-5018 or KB9IME, (414) 233-7158.

ADAMS, WI

Conducted on Saturday, November 5, 1994, by the Wisconsin Rapids ARC at Mid-State Technical College Annex, Adams, WI. Doors open at 8:30 a.m. with exams at 9:00 a.m. For information contact: Gene Santoski, K9UTQ, (715) 423-6368.

KAUKAUNA, WI - SWAPFEST

MANITOWOC, WI, LAKESHORE HAMFEST

RACINE, WI - BIG BOY TOY SHOW

RHINELANDER, WI - NWARC SWAPFEST

STEVENS POINT, WI - CWRA SWAPFEST

WAUKESHA, WI - KMRA SWAPFEST

WAUKESHA, WI - MIDWINTER SWAPFEST

EAU CLAIRE, WI - ECARC HAMFEST

SOUTH MILWAUKEE, WI - SMARC HAMFEST

CEDARBURG, WI - ORC HAMFEST

ROCKFORD, IL - RARC HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB

DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on Nov, 19 in 1994.

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact: Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Contact: Arthur A. Evans, KA9KLZ, 213 N Jefferson St., Cuba City, WI 53807-1558, (608) 744-2704.

WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

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____ NO I do not wish to receive Badger State Smoke Signals as a part of my WAPR membership.

COMPLETE and return this form with your check or money order for \$15.00 made payable to W.A.P.R. (NOT payable to Ted Heilmann) to: Ted Heilmann, N9LLT, 921 - 8th. Avenue, Grafton, WI. 53024 [N9LLT @ WB9TYT.EN63AC.WI.USA.NOAM]

LOVES PARK, IL.
Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

Out of State Exams

Information Provided
by the ARRL/VEC



EASTERN IOWA

11/19/94, Dubuque, 319-557-9149, Carl E Clark
12/10/94, Clinton, 319-242-9486, Roger Gorzney
04/08/95, Clinton, 319-242-9486, Roger Gorzney
06/10/95, Clinton, 319-242-9486, Roger Gorzney
09/12/95, Clinton, 319-242-9486, Roger Gorzney
10/14/95, Clinton, 319-242-9486, Roger Gorzney
12/09/95, Clinton, 319-242-9486, Roger Gorzney

NORTHERN ILLINOIS

11/09/94, Chicago, 312-455-0981, Michael Leibovitz
11/12/94, Dixon, 815-284-6360, Charles W Randall
11/12/94, Oak Forest, 708-448-0580, David Brasil, N9GN
11/14/94, Chicago, 708-677-3272, Michael Levine N9HEL
11/15/94, Aurora, 708-879-2217, Alan Ahasic
11/15/94, Burr Ridge, 708-986-0061, Dennis Lamoreaux
11/15/94, McHenry, 815-678-4276, Jack Hudson
11/26/94, Chicago, 312-233-0605, Harold Prichard Jr
12/02/94, Westmont, 708-964-6712, Don Hlinsky
12/10/94, Oak Forest, 708-448-0580, David Brasil, N9GN
12/12/94, Chicago, 708-677-3272, Michael Levine N9HEL
12/20/94, Aurora, 708-879-2217, Alan Ahasic
12/20/94, Burr Ridge, 708-986-0061, Dennis Lamoreaux
12/20/94, McHenry, 815-678-4276, Jack Hudson
01/17/95, McHenry, 815-678-4276, Jack Hudson
02/03/95, Westmont, 708-964-6712, Don Hlinsky
02/21/95, McHenry, 815-678-4276, Jack Hudson
03/21/95, McHenry, 815-678-4276, Jack Hudson
04/07/95, Westmont, 708-964-6712, Don Hlinsky
04/18/95, McHenry, 815-678-4276, Jack Hudson
05/16/95, McHenry, 815-678-4276, Jack Hudson
06/02/95, Westmont, 708-964-6712, Don Hlinsky

UPPER MICHIGAN

12/03/94, Harvey, 906-249-3837, Richard Schwenke

MINNESOTA

11/12/94, Bloomington, 612-888-6187, Jerry Jensen
11/19/94, Cottage Grove, 612-459-8678, David Harrell
12/03/94, St Paul, 612-222-7253, John Bellows
12/10/94, Bloomington, 612-888-6187, Jerry Jensen
12/10/94, N Branch, 612-444-9814, Bradley Fern
12/17/94, Cottage Grove, 612-459-8678, David Harrell

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.



SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE:

Heathkit Solid State Dip Meter, model HD-1250 (new), \$40.00.
Texan RA-50 10 db attenuator, 1 db per step (new), \$15.00.
Texan RA-54 0-60 db attenuator, 1 db per step (new), \$30.00.
Precision DP-51, 50 Mhz logic probe (new), \$10.00.
Yamaha CR-220 40 watt stereo amplifier, \$40.00.
Antenna rotator, CDR model HAM-M, \$65.00.
Weston clamp AC meter 0-600 Volts, 0-300 Amperes, \$40.00.
10 Jennings GCS-90 vacuum variable capacitors, 3-105 pf, 10,000 volts, (new), \$90.00 each.
Jennings vacuum variable capacitor, 4-460

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The October 18, 1994 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 7:32 p.m. by club president, Bob Sauvan, WT9Q.

The minutes of the last meeting as read were accepted. Jim Decker, WB9UQT gave the financial report.

OLD BUSINESS: Members were reminded that the December meeting will now be a Christmas party held at the Old Highway House in West Baraboo on Friday December 16, 1994. Discussion was held regarding the method of determining club dates for next year. It was decided to keep the current Tue-Wed-Thu method rather than meet on one specific day (i.e. every third Tuesday). Steve Schulze, N9UDO noted that a new CD ROM program listed the club secretary as Harry Westlund, who has not been club secretary since September 1992.

NEW BUSINESS: Bob Sauvan, WT9Q and Bob Suavan asked for ideas/suggestions for next years meetings. Besides the usual Fox Hunt(s) and Field day programs, other suggestions were for programs on the Hillsboro wx balloon, towers, wx spotting/sky warning, contests, AMTOR and RTTY, and NTS. Jim Decker reported that BSSS was increasing its subscription rates in 1995. The members voted to keep membership dues at the current fifteen dollars.

Domenic Bianco, KA9QFK, Reedsburg, applied for membership and was accepted as a new member. Congratulations Domenic.

Buck night winner was Charles Tilton, N9MMF, who was not present.

Meeting adjourned at 8:32 p.m.

Jim Paul, N9LKY then gave a presentation on ATV.

pf, 5000 volts, \$175.00.

Simpson 260 series 7P multimeter (overload protected) (new), \$90.00.

Hammarlund HQ-160 general coverage receiver with manual, \$190.00.

Beckman model FG-2 function generator with manual, (new), \$150.00.

C-itoah model 8510-A dot matrix printer with manual, \$150.00

Apple II C computer including 2 drives and monitor, \$300.00.

Keithly model 169 digital multimeter (measure dc and ac currents), (new), \$135.00.

RCA high voltage power transformer, 3600 volts c.t., 400 ma., \$55.00.

GE wattmeter type AP-11, 250 watts, 25 to 1000 cycles, \$150.00.

GE precision (1/4 accuracy class) AC ammeter, type AP-12, \$150.00.

HP model 3311 function generator with manual, \$125.00.

5 813 transmitter vacuum tubes (some new), \$12.00 each.

2 304TL Eimac tubes (new), \$35.00 each.

3 250-A Eimac tubes, \$35.00 each.

1 4-400A Eimac tube (new), \$40.00.

2 RCA 8000, \$15.00 each.

1 4-65A Eimac tubes (new, \$15.00.

2 250TH, \$20.00 each.

2 8163 Amperex tubes (new), \$30.00 each.

Prices can be negotiable. A. H. Luna, KB0BD, 1935 Lone Oak Circle W, Brookfield, WI 53045. Telephone (414) 782-0384.

FOR SALE: Colorful United States Stamps. 100 all different. \$1.00 postpaid. Richard Regent, K9GDF, 5003 South 26th St., Milwaukee, WI 53221.

Today's groaner: The skunk that recently invaded our neighborhood definitely was the Senter of attention. --Aunt Kitty, Peshtigo Times.

The next meeting will be held Wednesday November 16, 1994 at 7:30 p.m. in room 14 at the Baraboo Civic Center. The program following the business meeting will be on Packet radio and computers.

Sincerely,

Raymond J. Matlosz, N9MLZ Secretary

The following members and guest were present:

Bob Sauvan	WT9Q	Sauk City
Steve Schulze	N9UDO	Baraboo
Jim Paul	N9LKY	Merrimac
Art Kleefisch	W9WSS	Baraboo
Jim Decker	WB9UQT	Baraboo
Allan Johnson	AA7CS	Reedsburg
Thomas Harrison	N9PQL	Reedsburg
Bill Klinkner	N9KXX	Sauk City
Anne Klinkner	N9PQL	Sauk City
Raymond Matlosz	N9MLZ	Reedsburg
Bill Hommel	KA9QFJ	Baraboo
Pete Sweeney	WD9JIB	Reedsburg
George Gabay	N9QOR	New Lisbon
David Spearing	KB9CSW	Portage
David Owen	N9TUU	Wonebec
Jack Kirner	N9LXZ	Portage
Domenic Bianco	KA9QFK	Reedsburg

1995 Meeting Dates

Jan 17	Apr 18	Jul 18	Oct 17
Feb 15	May 17	Aug 16	Nov 15
Mar 16	Jun 15	Sep 14	Dec 15

A kid saying his night prayers closes with: "And please, God; make Milwaukee the capital of Wisconsin?"

His mother hears this and asks, "Why would want Milwaukee to be the capital of Wisconsin?"

The kid says, "Because that's what I put down on my test. --Florence Berglund, Tribune-Record-Gleaner, Loyal.

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The Badger State Smoke Signals Shopper's Guide

SWAPFESTS



1994 WINNERS
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Robert J. Goeman, N9HAD, Madison
Amy Thach, N9TLN, Wisconsin Rapids

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23rd ANNUAL MIDWINTER

SWAPFEST
WAUKESHA EXPOSITION CENTER
WAUKESHA, WISCONSIN

**SUNDAY
JANUARY 8, 1995**

HAM IT UP EVERY SPRING!

MADISON SWAPFEST

April 2, 1995

Dane County Expo Center
Forum Building

Sponsored by MARA/WB9AER

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Madison, WI 53708-8890

SOUTH MILWAUKEE AMATEUR RADIO CLUB

SWAPFEST 94

(Held every July)

American Legion Park
Shepard Ave. • Oak Creek, WI

(414) 762-3235
P.O. Box 102

Extension 58
South Milwaukee, WI 53172

Fox Cities Hamfest

November 6, 1994

Starlite Club, Hwy. 55 north of Kaukauna

HAMFEST INFO:

Dan Vanevenhoven, N9LV6
2410 E. Newberry Ct.
Appleton, WI 54915
414-739-5101

EXAM INFO:
Larry Siebers, KD9IA
414-788-3823

**Lakeshore Hamfest
& Computer Swapfest**

Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on Cty Highway R

Saturday, May 13, 1995

For more information, call:

Ron, WS9X: 414-793-4733 (Nights)
Red, N9GHE: 414-684-9097

ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204

Sponsored by the
Peoria Area
Amateur
Radio
Club

**HAMFEST AND
COMPUTER FAIR**

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**September 17
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TICKETS AT GATE \$5: GOOD BOTH DAYS (Under 16 Free)

For advance ticket (\$5 ea.) with two prize stubs and/or information send SASE to: Peoria Area Amateur Radio Club, P.O. Box 3508, Peoria, IL 61612-3508 or telephone answering machine 309/685-6688.

17th Annual

CWRA SWAPFEST

Sunday, June 11, 1995 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA
3356 April Lane

715-344-2984
Stevens Point, WI 54481

**EAU CLAIRE
Amateur Radio Club
SWAPFEST**

Chippewa Falls Fairgrounds

Carol Ceraso

(715) 723-9205

Liz Searing

(715) 834-1303

P.O. Box 1867 • Eau Claire, WI 54701

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Send to RMC, P.O. Box 3, Racine, WI 53401
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Ozaukee Radio Club

**17TH ANNUAL RADIO AND
COMPUTER SWAPFEST**

Saturday, May 6, 1995

8 a.m. to 1 p.m. • Circle B Recreation Center

Intersection of Highway 60 and County I

Exams by Badger Examiners, c/o Gary Sharbuno,

5119 W. Willow Rd., Brown Deer, WI 53223

Swapfest sponsored by Ozaukee Radio Club

W70 N1018 Hampton Court • Cedarburg, WI 53012

Kettle Moraine Radio Amateurs

SWAPFEST

Sunday, October 23, 1994

Waukesha County Expo Center

Info: KMRA Swapfest

P.O. Box 411

Waukesha, WI 53187-0411

Northern Wisconsin Radio Club

AUCTION

February 28, 1995 • 7:00 p.m.

American Legion Post 53 • 634 Water Street

Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC
Route 1 Box 54

715-665-2374
Knapp, WI 54749

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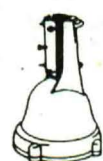
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